

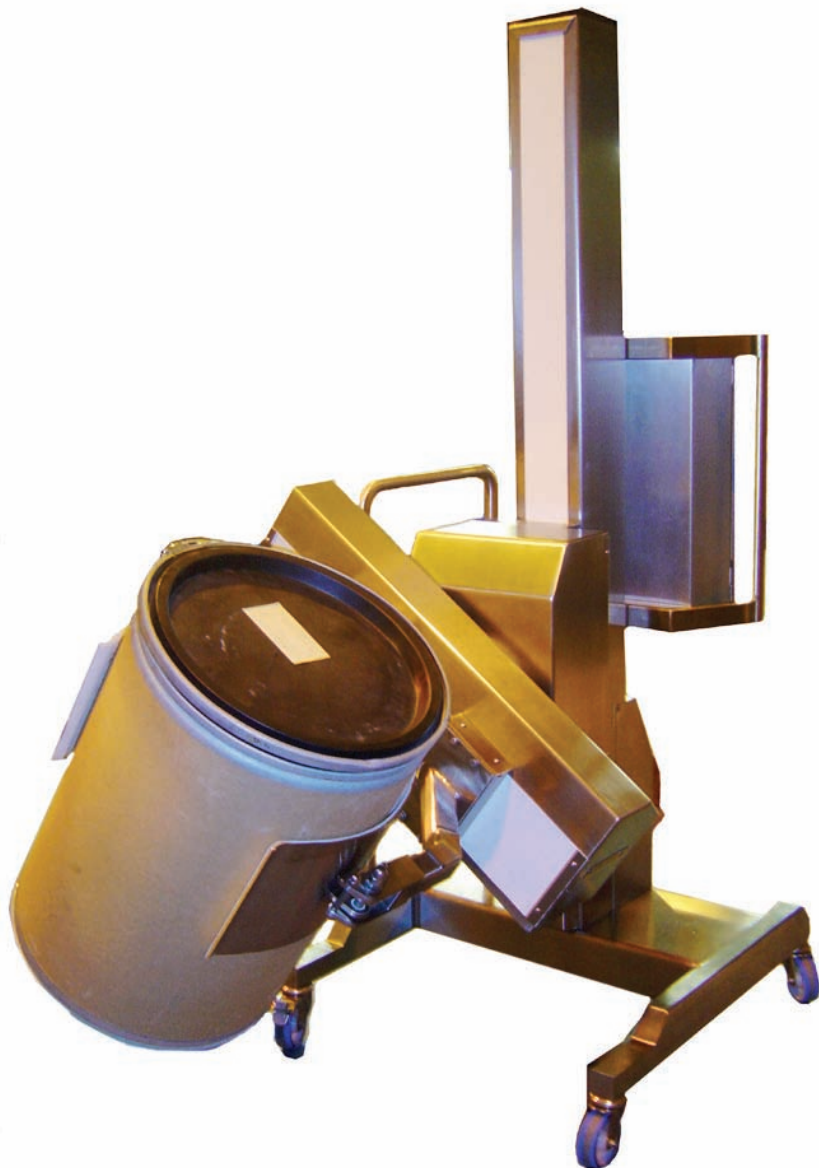
Absolute Handling Systems

Material Handling Solutions



Lifting & Handling Equipment

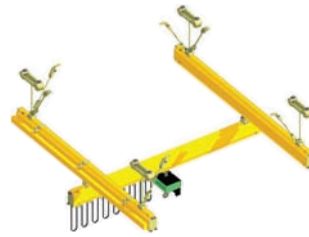
AHS
ABSOLUTE HANDLING SYSTEMS



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Balancers & Manipulators 35



Pharma Solutions 43



Scissors Tables & Column Lifts 55



Trolleys & Trucks 69



Pallet Stackers & Trucks 89





Absolute Handling Systems design, supply, install, test and service lifting and handling equipment. Our goal is to supply quality user friendly equipment, which will reduce the risk of operator injuries and product damage while increasing profitability.

Our comprehensive range of lifting solutions, are suitable for use in every industry. We supply standard systems constructed from mild steel and lightweight aluminium to suit many industrial environments. We also have a complete range of solutions constructed from stainless steel to cater for the more demanding food and pharmaceutical environments. ATEX certification, and cGMP designs are offered for many of our product ranges.



AHS has been to the forefront of the material handling industry in Ireland since it was founded in 1999, supplying lifting equipment to the best known names in Irish Industry.

Being total solutions providers, means that we work with our customers from the design stage right through to installation, commissioning, certification and validation.

We call to site to review applications first hand, provide demonstrations, arrange trials and prepare videos in order to make every effort to assist our customers to make the correct decision in their choice of lifting and handling equipment.

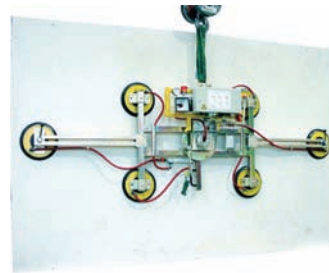
Our dedicated customer service team provide regular maintenance contracts and carry appropriate spare parts for the installed contracted equipment.

Our commitment to quality and service goes far beyond just delivering a product to our customers. Our aim is to provide a complete solution, not just a product.

Please note that this catalogue does not cover every product or solution which we can provide. If you have a particular lifting problem which you do not see a solution to, in this catalogue, please contact us to discuss a bespoke solution.



Vacuum Lifters



Lifting & Handling Equipment

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| :: Drum & Sack Handling | 4 |
| :: Box & Reel Handling | 6 |
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Vacuum Tube Lifters - Overview

Almost anything can be lifted easily, quickly and safely.

Lifting systems based on vacuum technology are often used in industry where fast repetitive handling of heavy loads is required.

Using a single power medium – vacuum, to grip and lift heavy or awkward loads

To grip a product, the operator simply rests the suction foot on the surface and it is gripped.

Lightweight modern designs are used throughout the range.



Vacuum Tube Lifters

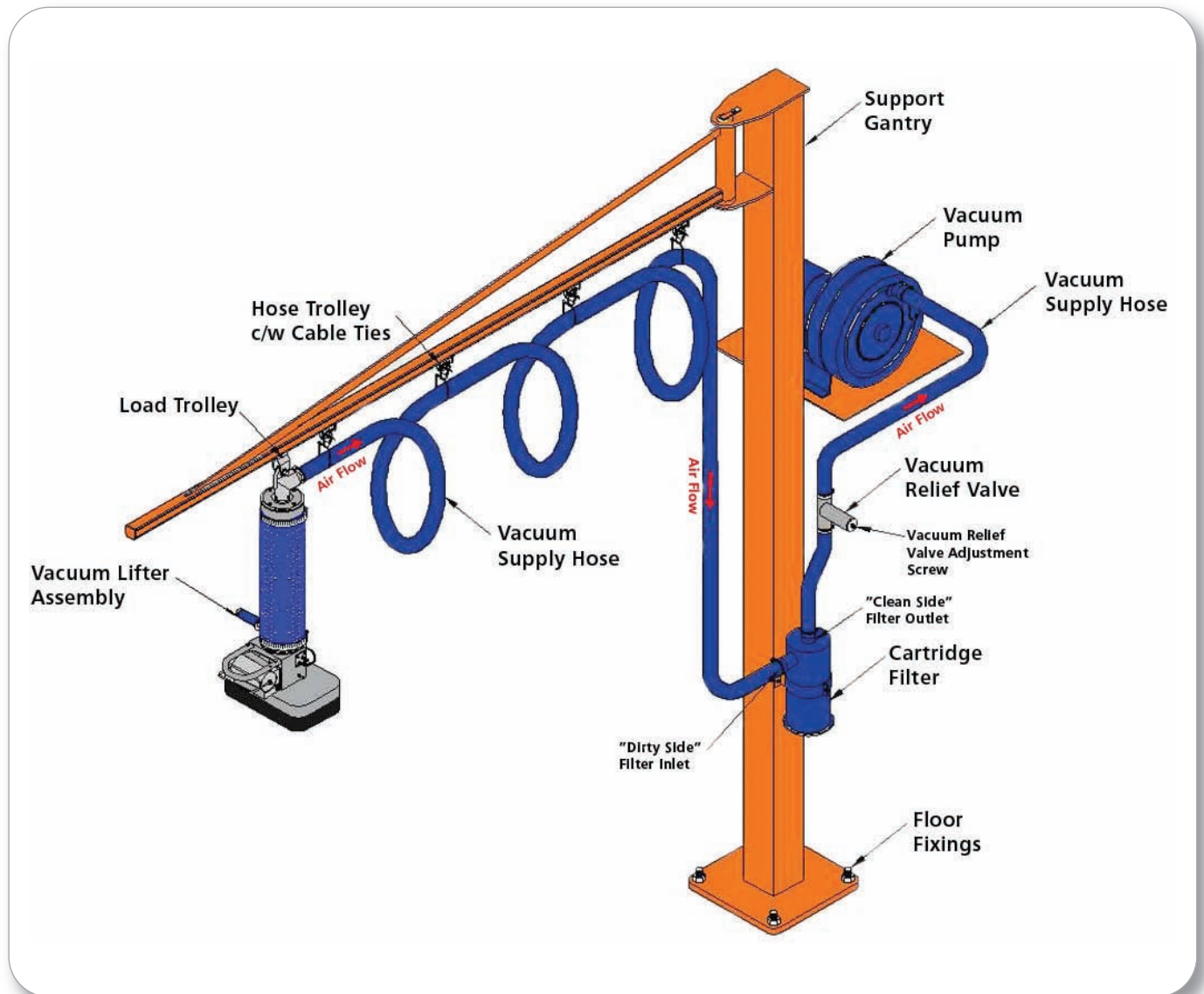
- ❑ Make light work of everyday manual handling tasks
- ❑ Improve assembly speed, efficiency and throughput
- ❑ Low headroom options to fit into the tightest of spaces
- ❑ Effortless repetitive lifting and weightless operation
- ❑ In-built safety feature prevents load dropping in case of a power failure
- ❑ An extensive range of standard interchangeable attachments.
- ❑ Eliminate manual handling problems
- ❑ Reduce product damage and marking
- ❑ Lift loads up to 250 kg
- ❑ Wash down food grade options
- ❑ Pharmaceutical full hygienic cGMP options
- ❑ Very low maintenance
- ❑ Warehouse range
- ❑ Single operator control, efficient use of labour
- ❑ Improve safety and ergonomics
- ❑ ATEX certification options
- ❑ Production area range

Our solutions are backed by top level engineering, project and quality management including validation.



How it works

- ❑ Grip – Simply land on a product to grip it
- ❑ Lift – Gently pull up the control lever to lift
- ❑ Lower – Gently press down the control lever to lower
- ❑ Release – Push the lever down fully, and tilt the handle to release the load



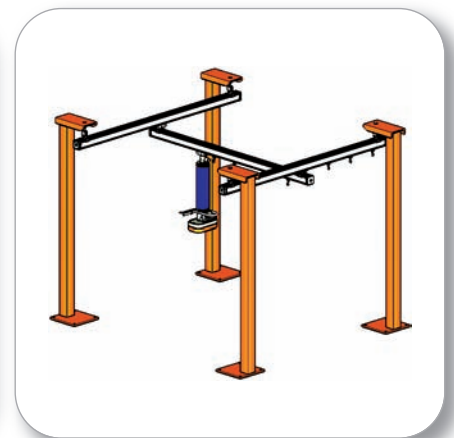
Examples of other layout options



Inverted Swing Jib



Knuckle Jib



H - Style

Vacuum Tube Lifters - Drum Handling



Multi Drum Lift



Top Lift - High Capacity



Side Lift & Pour



Side Grip Powered Pour



Handle Hook



Top Lift - Hygienic Style

Typical Application

- ❑ Transfer drums from product conveyor to pallet
- ❑ Transfer drums from wooden pallet to steel pallet or scales
- ❑ Pour product directly from drums into process hopper

Vacuum Tube Lifters - Sack Handling



Paper Bag



Hessian/Jute Bag



Gripper



Forked Tongue Hook



Plastic Bag Aluminium Overhead Gantry



Stainless Steel Knuckle Jib



Low Headroom - Horizontal Tube

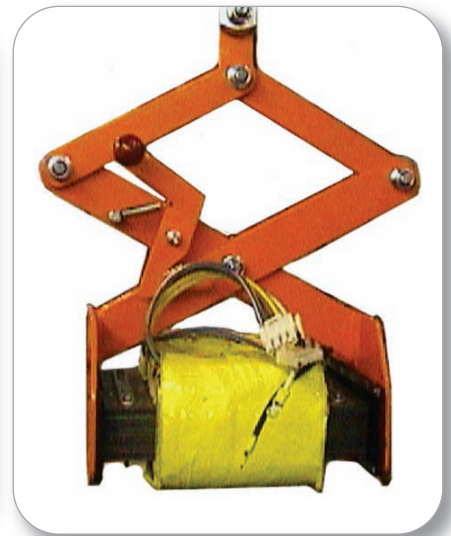
Vacuum Tube Lifters - Box Handling



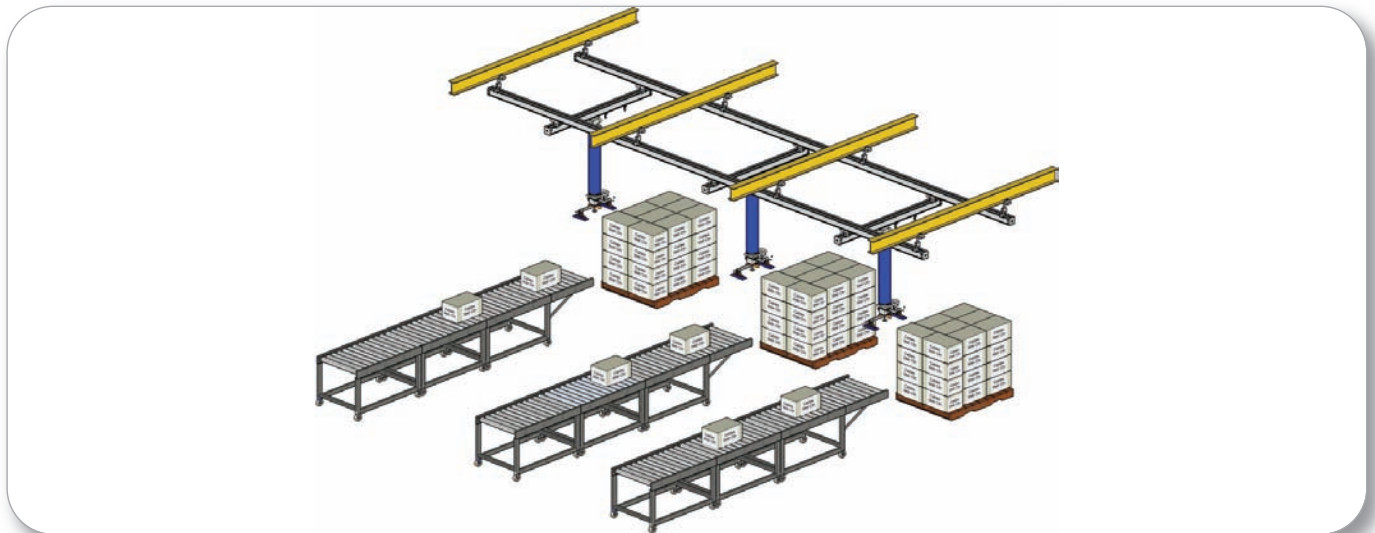
Double Foot



Multiple Box Lift



Box / Crate Gripper



Production Line Served by Three Box Lifters



Vacuum & Squeeze



Side Grip Only



High Reach Handle

Vacuum Tube Lifters - Reel Handling



Reel Core Grip



Reel Lift



Reel Rotate



Pneumatic Core Grip



Horizontal to Vertical



Large Core Grip



Vacuum Grip - Pneumatic Push Button Rotation

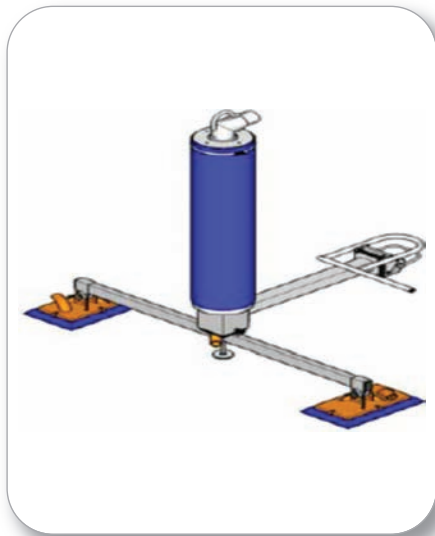


Vertical to Horizontal - Push Button Control



Pneumatic Grip & Rotate

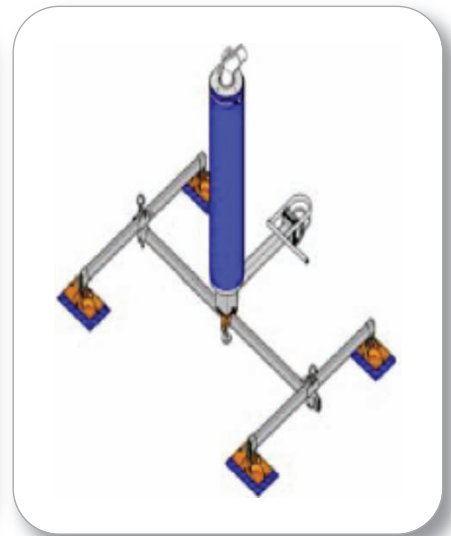
Vacuum Tube Lifters - Board & Door Handling



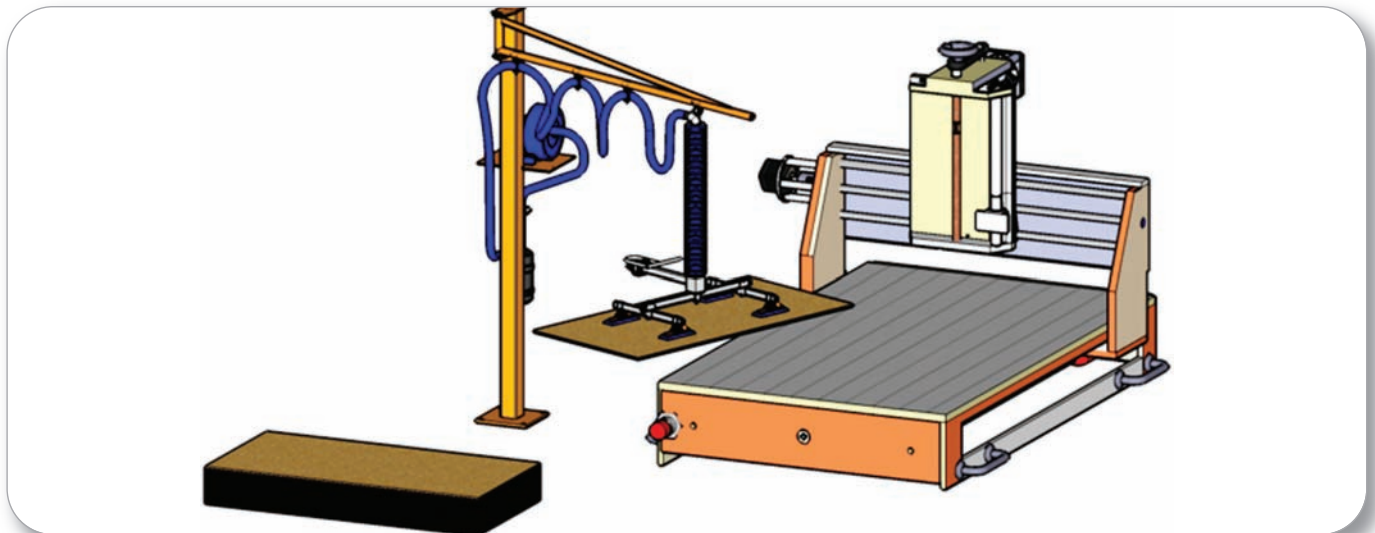
Door Blanks & Small Panel Suction Foot



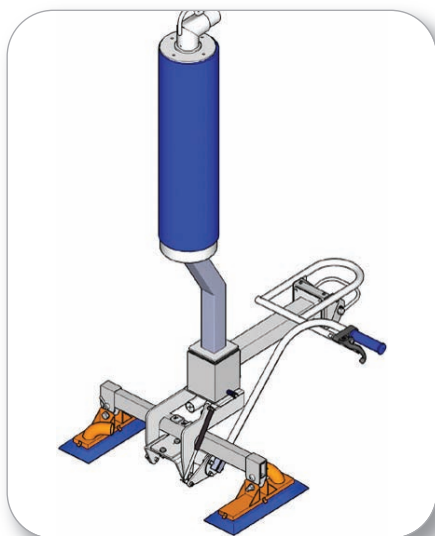
Suction Foot with Narrow Feet to Suit Panel Doors



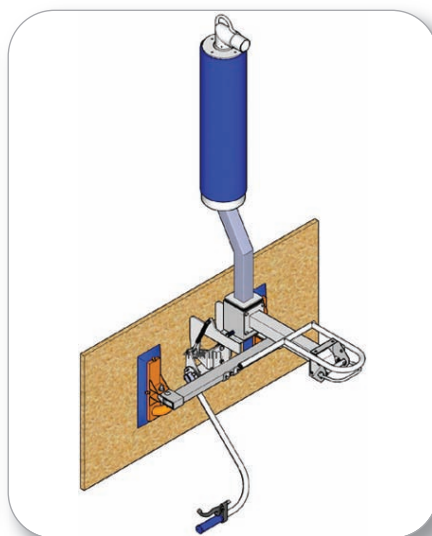
Large Panel - Suction Foot



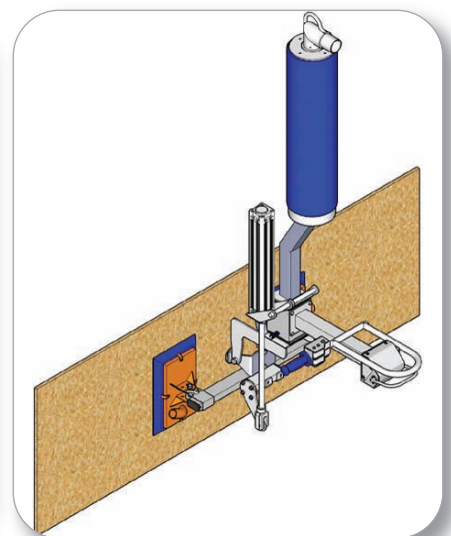
Vacuum Tube Lifter - Board / Door Lifter



90° Board Turner



Manual 90° Turn



Powered 90° Turn

Vacuum Lifters



Door Blanks & Small Panel Suction Foot



Panel Doors & Large Panels Suction Foot



Typical Board Vacuum Tube Lifter



90° Manual Turn Large Panels



90° Powered Turner - Large Panels



Manual 90° Rotation - Small Panels

Vacuum Tube Lifters - Electronics



Top Grip / Rotate



Side Grip



Clamp & Vacuum Grip



Clamp only



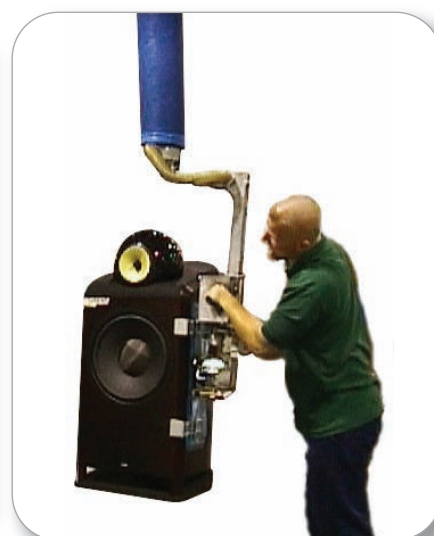
Top Lift



Clamp & Vacuum Grip



Top Lift / High Reach Handle



Side Grip with Guides

Vacuum Tube Lifters

Pallet Lifters

The crane is supported from one side only by floor mounted columns, with a cantilevered arm.

- ⌘ Safe pallet lifting
- ⌘ Pallet inspection
- ⌘ All pallets handled
- ⌘ Quick and easy to use
- ⌘ Quiet pallet landing
- ⌘ 360° rotation



Pallet Lifter supported by aluminium light crane



Lightweight Aluminium Pallet Fork



Heavy Duty



Sorting Line

Rubber Bale Lifters

- ⌘ Specially designed suction foot to compensate for uneven surface of rubber
- ⌘ Flexible rubber suction seal
- ⌘ Perforation pins can be mounted in the suction head to effect a solid grip on the load

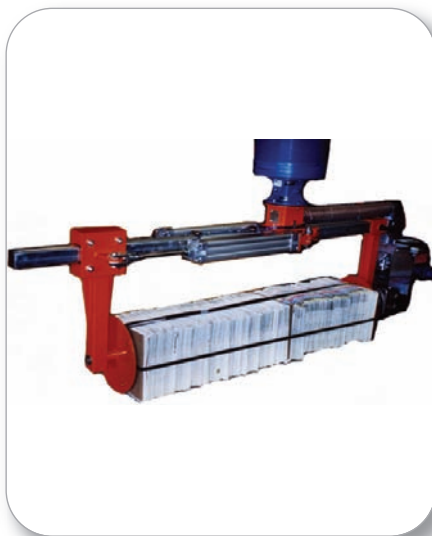


Rubber bale lifter on inverted swing jib

Vacuum Tube Lifters - Miscellaneous



Multi Pack Vacuum Grip



Print Log Grip & Rotate



Meat Pack Vacuum Grip



Keg Hook & Lift



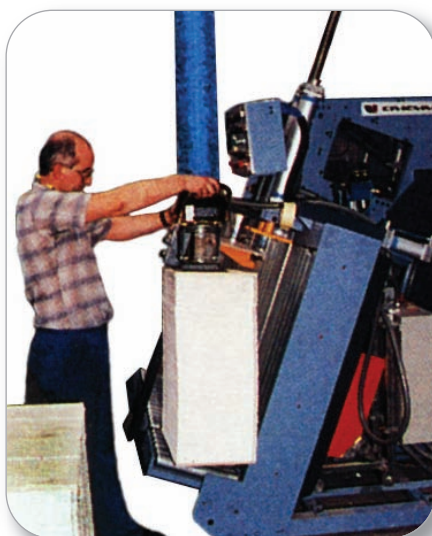
Keg Vacuum Grip / Side Lift



Articulated Grip



Cheese Block



Print Log Top Lift

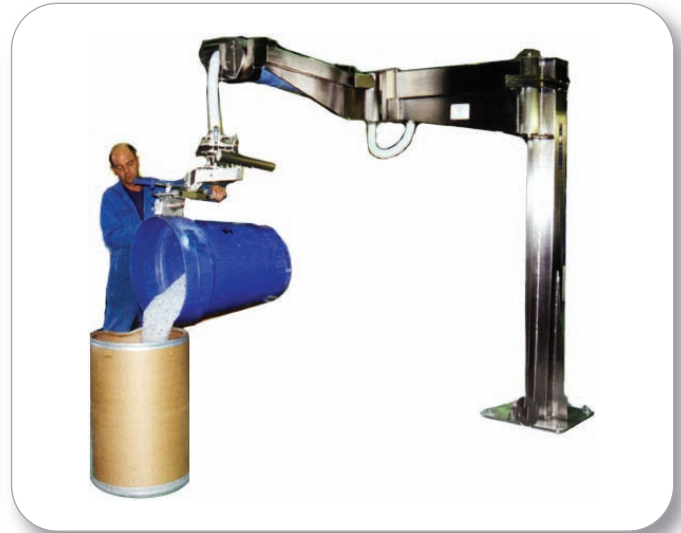


Print Log - Clamp Grip

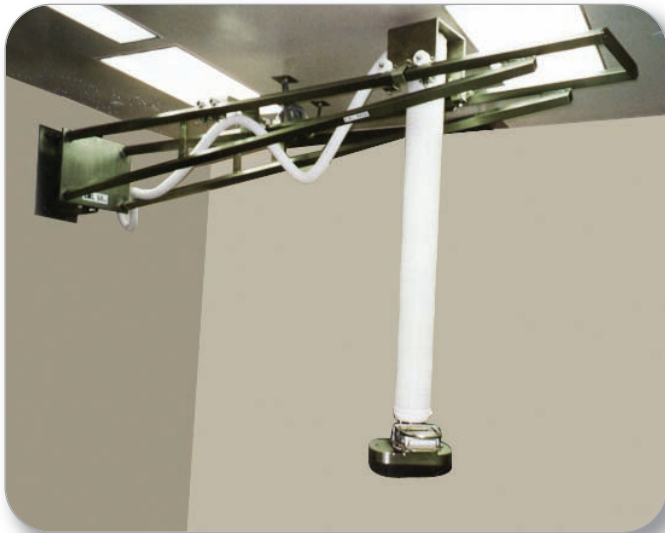
Vacuum Tube Lifters - Crane Options



Knuckle Jib - Ceiling Mounted



Knuckle Jib - Floor Mounted



Inverted Jib - Wall Mounted



Overhead Crane - Ceiling Mounted



Swing Jib - Column Mounted



Double Swing Jib System

Vacuum Grippers - High Capacity

Vacuum Grip

- ∴ Ideal for large heavy loads 100 – 10,000 kg
- ∴ Vacuum grip ensures safe handling, with no surface damage
- ∴ Transport horizontally, vertically, or swivel
- ∴ Electric, pneumatic or manual control options
- ∴ Safety as standard, vacuum reservoir and warning siren
- ∴ Fully adjustable suction plates to allow different size pieces to be handled
- ∴ Single operator control / ergonomic by design
- ∴ Well built, proven high quality
- ∴ Low maintenance / low cost of ownership
- ∴ Suction plates adjustable along the cross bars
- ∴ Cross bars adjustable along the main beam



8 Suction Plates



4 Suction Plates



6 Suction Plates



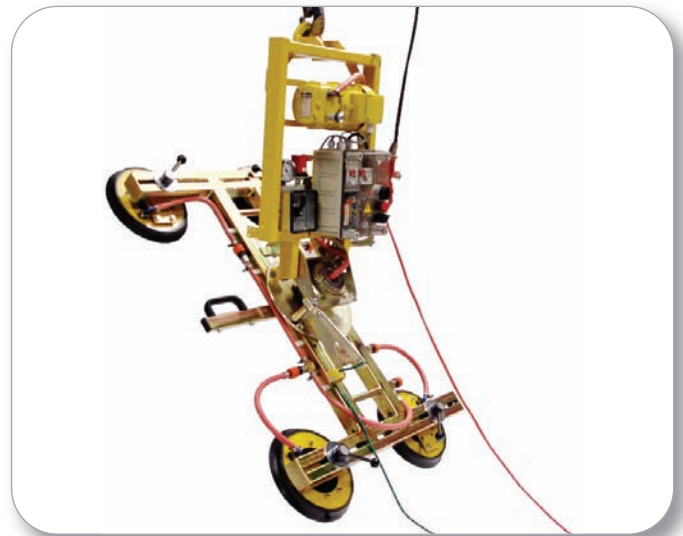
1,500 kg Capacity

Features

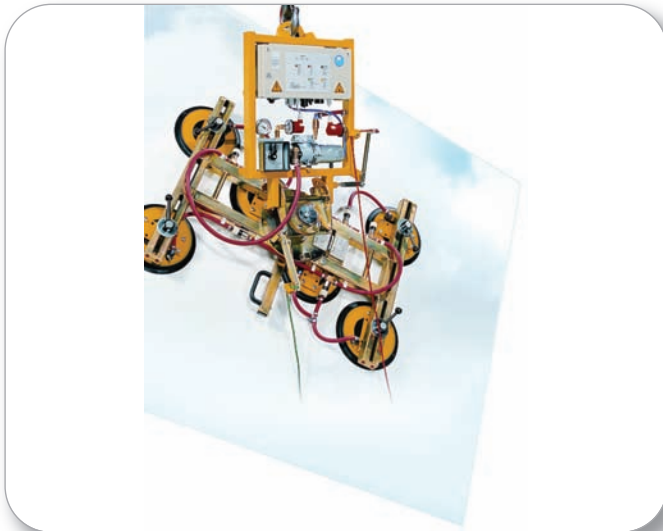
- ⌘ Fully adjustable suction plates to allow different sized materials to be gripped and supported
- ⌘ Dual vacuum circuit option for extra safety, suitable for construction sites
- ⌘ Vertical to horizontal tilt option
- ⌘ 90° or 180° rotation
- ⌘ Manual and powered options
- ⌘ Battery electric, mains or pneumatic powered

Suitable Materials

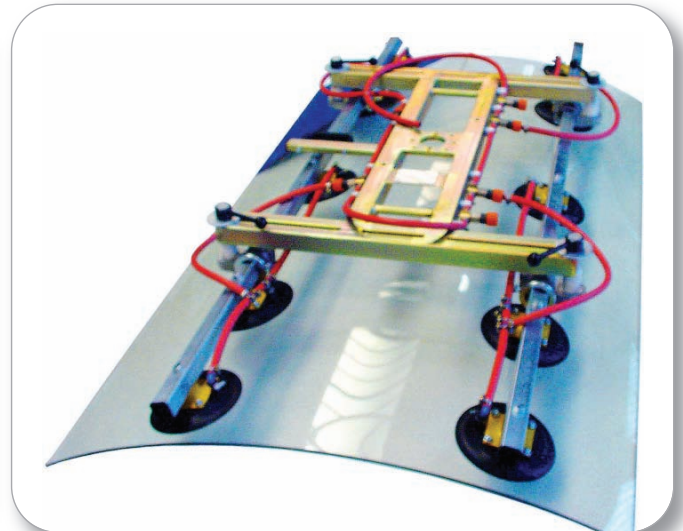
- ⌘ Steel Sheets
- ⌘ Glass Panels
- ⌘ Stone/Granite
- ⌘ Wood
- ⌘ Coils



90° Rotation



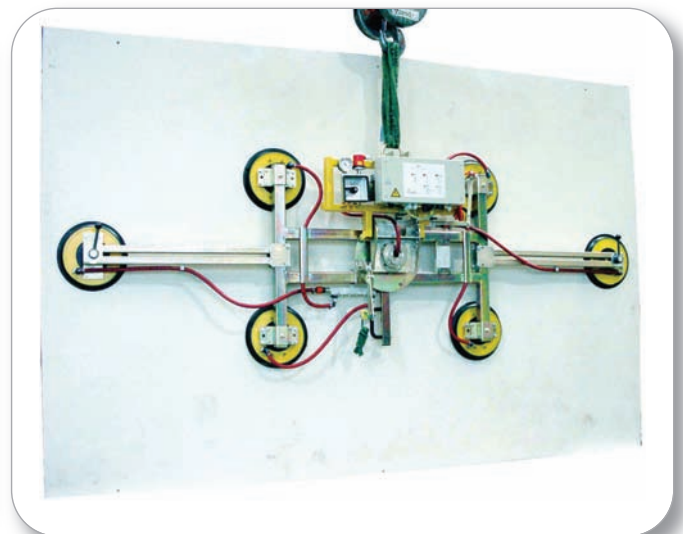
Swivel horizontal to vertical or vice versa



Curved Glass Gripper

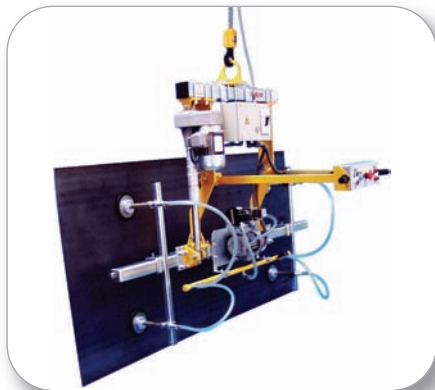


500 kg Capacity / Pneumatically Powered



300 kg Capacity / Battery Powered

Vacuum Grippers - Steel Plate / Glass / Stone



Tilt Vertical / Horizontal



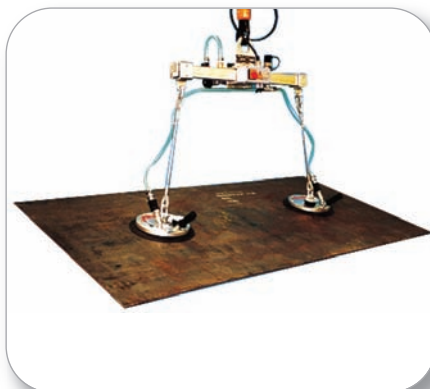
Coil Grip & Tilt



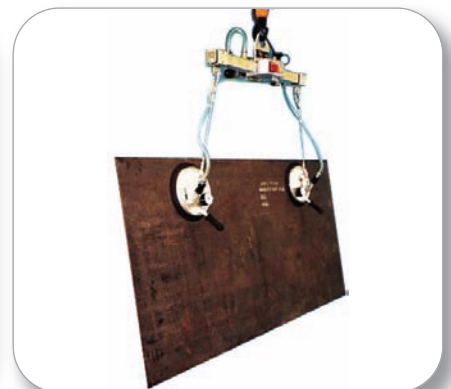
180° Rotation



2 Suction Plates



500 kg Horizontal Capacity



250 kg Vertical Capacity



Mini Stone Gripper



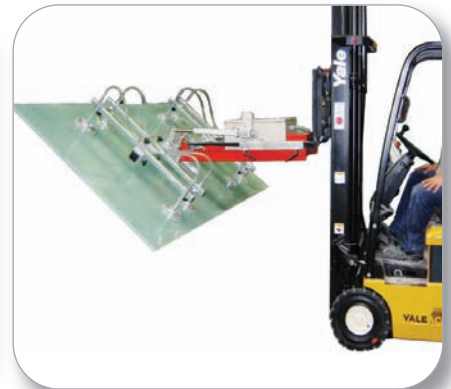
2 Man Kerbstone Lift



Vacuum Grip



Cladding Vacuum Grip / Battery Powered



Truck Mounted Vacuum Gripper

Cranes



Lifting & Handling Equipment

| | |
|--------------------|----|
| :: Jib Cranes | 18 |
| :: Overhead Cranes | 22 |

Wall, Column or Ceiling Mounted Jib Cranes

Overbraced Jib Cranes

The lightest, most economical jib cranes, suitable for fixing to an existing wall or column.

The height available under the jib is only limited by the height of the building itself. The arm is articulated in the two captive hinges in the two projecting support members that make up the anchor plate.

- :: Capacity 50 – 3,000 kg
- :: Span 1 – 8 m
- :: Rotation 180° or 270°



Underbraced Jib Crane

This type of jib crane provides greater lifting height than an overbraced jib with the same features. The arm is articulated in the two captive hinges in the two projecting support members that make up the anchor plate.

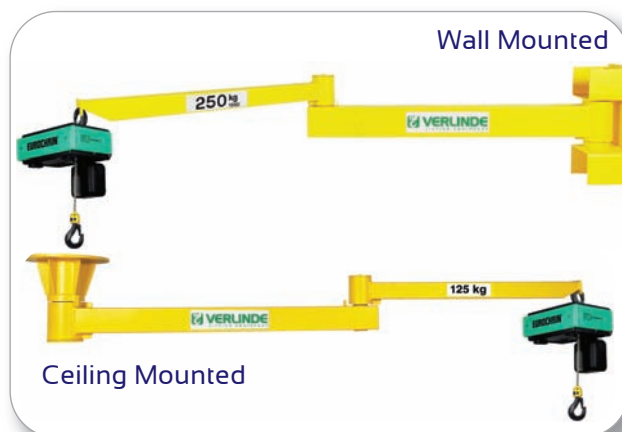
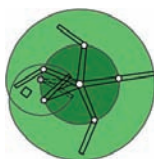
- :: Capacity 50 – 3,000 kg
- :: Span 2 – 6 m
- :: Rotation 180° or 270°



Articulated Jib Crane

The articulated jib crane can almost span a full circle, with practically no dead space.

- :: Allows working around obstacles
- :: Wall mounted model
- :: Ceiling mounted model
- :: Capacity 50 – 1,000 kg
- :: Span 2 – 5 m
- :: Rotation 359°



Jib Crane Options

- :: Mild steel painted as standard
- :: Galvanised finish option
- :: Light weight aluminium range
- :: Stainless steel range / cGMP options
- :: Supply, delivery, installation, testing and certification
- :: ATEX certified models
- :: Low headroom models
- :: Maintenance contracts



Stainless Steel option

Floor Mounted Jib Cranes

Overbraced Floor Mounted Jib Crane

Overbraced jib crane attached to a steel column fitted onto a base reinforced with stiffeners, depending on load capacity and span.

Completely independent from the building, fixed to the floor via rawl bolts or chemical anchors.

- :: Capacity 50 – 2,000 kg
- :: Span 1 – 7 m
- :: Rotation 270°
- :: Jib clearance 2.5 – 6m
- :: Powered travel options
- :: Light crane or heavy duty beam styles



Underbraced Column Mounted Jib Crane

Underbraced jib crane attached to a steel column fitted onto a base reinforced with stiffeners, depending on the capacity and span.

Completely independent from the building. Concrete foundation is required before fixing the jib crane by means of anchor bolts and template.

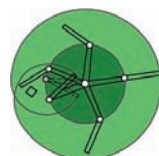
- :: Capacity 250 – 2,000 kg
- :: Span 2 – 6 m
- :: Jib clearance 2.5 – 6 m
- :: Rotation 270°
- :: Powered travel and rotation options



Articulated Floor Mounted Jib Crane

The articulated jib crane can almost span a full circle, with practically no dead space.

- :: Capacity 50 – 1,000 kg
- :: Span 3 – 5 m
- :: Jib clearance 3 – 5 m



Mobile Cranes

Mobile Base

To optimise workstations and give production processes maximum flexibility, our standard post mounted jib cranes are available in 'mobile' version.

These lifting cranes, completely independent of the factory structure can be moved with pallet truck or fork lift truck.

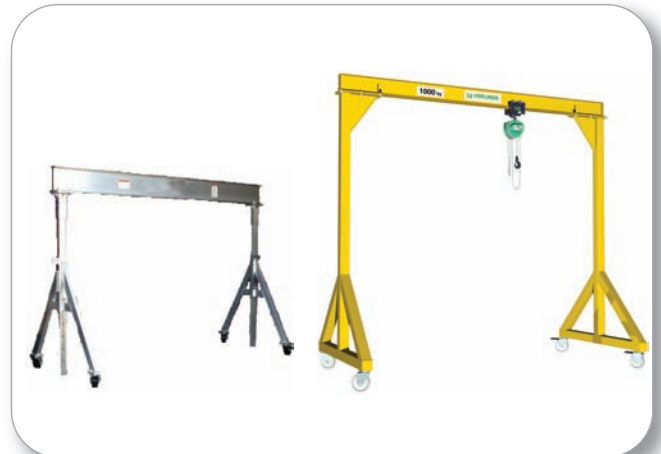
Delivered complete with counterweight.

- ∴ Suitable for use with all column mounted jib cranes



Mobile Gantry Cranes, Movable by Hand

- ∴ Capacity 500 – 5,000 kg
- ∴ Span 2,500 – 5,000 mm
- ∴ Clearance 3,000 mm
- ∴ Width 1,500 – 2,000 mm
- ∴ Length = Span + [190 to 300 mm]
- ∴ The range suits all hoisting devices
- ∴ Movable under load models
- ∴ Four castors, two lockable
- ∴ Can be dismantled into three pieces
- ∴ Made to measure configurations



Aluminium Lightweight Range

Standard Steel Construction

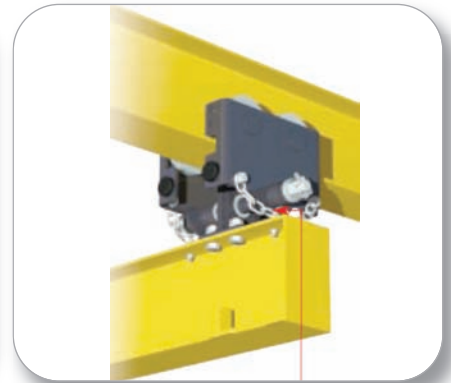
Manual Stainless Steel or Aluminium Jib Cranes

- ∴ Capacity 250 kg
- ∴ Span 0.8 – 1 m
- ∴ Self weight only 37 kg [steel]
- ∴ Installation via multi use base / 360° rotation
- ∴ Molygraphite greasing of wear rings ensures easy rotation
- ∴ Two handles provides easy transport and rotation
- ∴ Ideal for water treatment plants, for lifting pumps, agitators etc.



Crane Kit - Trolley Sets

Manual Crane

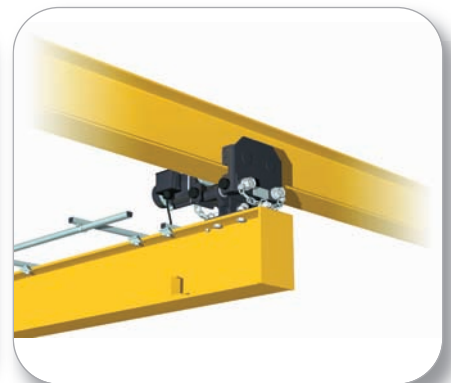


Trolleys designed for hand operated articulated sliding girder systems.

- ⌘ Capacity 500 – 2,500 kg
- ⌘ Span up to 8 m
- ⌘ Includes a pair of manually pushed trolleys

- ⌘ Manual push trolley
- ⌘ Articulated coupling
- ⌘ Safety chains
- ⌘ Anti drop rollers
- ⌘ 4 standard models

Powered Crane



Trolleys designed for electrically powered articulated sliding girder systems

- ⌘ Capacity 250 – 2,000 kg
- ⌘ Span up to 12 m
- ⌘ Includes a pair of electric powered travel trolleys

- ⌘ Powered drive trolley
- ⌘ Articulated coupling
- ⌘ Safety chains
- ⌘ Anti drop rollers
- ⌘ 4 standard models

Manual Underslung Crane



- ⌘ Underslung and top running travelling cranes
- ⌘ Capacity 250 – 10,000 kg
- ⌘ Span up to 16 m
- ⌘ End carriage fitted with steel wheels and buffer
- ⌘ Electrification optional



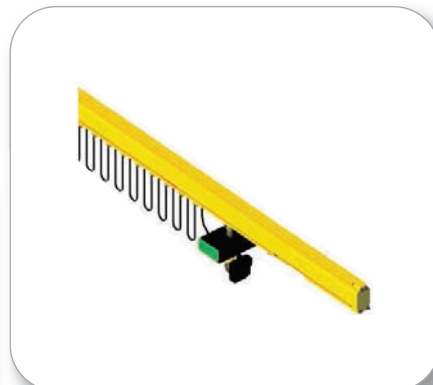
Single Girder Articulated Crane



Three Rail Sizes

Overhead Cranes

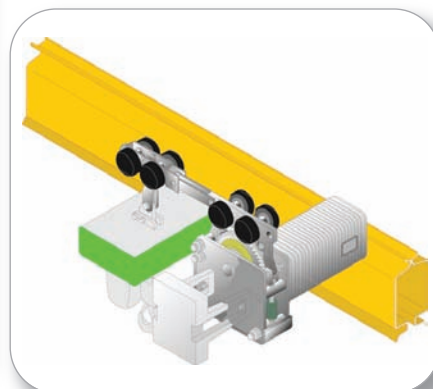
- ⌘ Capacity 50 – 2,000 kg
- ⌘ Low headroom range
- ⌘ Spans up to 12 m
- ⌘ Easy moving due to excellent rolling friction coefficient
- ⌘ Easily extendable due to modular component design
- ⌘ Installation via bolting and clamping



Monorail options



Double Girder Low Headroom Crane | Capacity 50 - 2,000 kg



Powered Travel Options



Double Girder Low Headroom Aluminium Crane



Aluminium Profiles

Aluminium Profile Sizes

- ⌘ 3 rail sizes:
 - AL 6 – 6 kg/m, up to 320 kg
 - AL 10 – 10 kg/m, up to 2,000 kg
 - AL 14 – 14 kg/m, up to 2,000 kg

Overhead Crane Styles

- ⌘ Single girder
- ⌘ Single girder in-line low headroom
- ⌘ Double girder
- ⌘ Double girder low headroom
- ⌘ Articulated and rigid bridge beam options

Overhead Crane Options

- ⌘ Monorails
- ⌘ Switches and turntables
- ⌘ Integral electric supply
- ⌘ Parallel busbar options
- ⌘ Curved rails
- ⌘ Floor mounted columns
- ⌘ Cantilevered supports
- ⌘ Support from I beams
- ⌘ Fix to concrete ceilings

Advantages of Aluminium

- ⌘ Ergonomic light rails means users can very easily and effortlessly handle heavy and cumbersome loads.
- ⌘ Accuracy ensured through high quality manufacture and smooth movements.
- ⌘ Anti corrosion – the aluminium profiles are externally and internally anodised [20 micron].
- ⌘ Economical – reduce weight of required supporting structure.
- ⌘ Technological – the beam is the result of the latest innovations in cold extrusion and structure optimisation.
- ⌘ Practical – the beam is compatible with all standard accessories.
- ⌘ Lasting – strong resistance to wear and tear as a result of anodisation and the roller materials.
- ⌘ Safety – the beam is guaranteed without welding.
- ⌘ Silence – operates silently due to the precise manufacture of the movement surface.

Sample Installations



Floor Mounted Overbraced Jib Cranes



Overhead Powered Travel Eurosystem Single Girder Crane



Floor Mounted Underbraced Jib Cranes

Hoists & Winches



Lifting & Handling Equipment

| | |
|--------------------------|----|
| :: Electric Chain Hoists | 26 |
| :: Manual Hoists | 30 |
| :: Pneumatic Hoists | 31 |
| :: Winches | 32 |
| :: Beam Trolleys | 34 |

Electric Chain Hoists

Compact Electric Chain Hoists

Electric chain hoists are the perfect solution for load hoisting applications and can be supplied in a variety of capacities, designs and power supplies. They are normally used in conjunction with a swing jib crane or an overhead crane and are designed to increase productivity. The hoists have a hook suspension unit which can be mounted into a manual, geared chain or powered I beam trolley, with low headroom options available.

- Capacity 60 – 10,000 kg



Examples of electric hoists being used in everyday industrial applications

Technical Features

Linear, compact design with built in control cabinet and reduction gear.

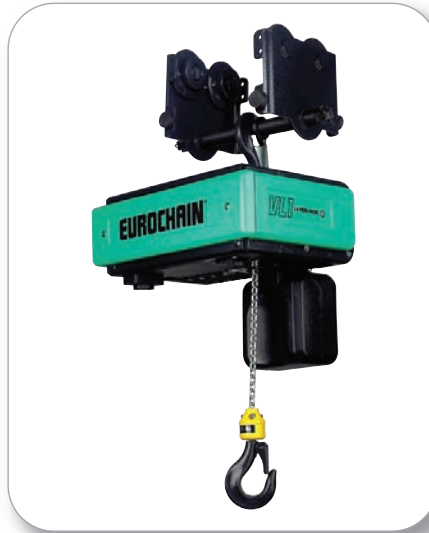
- Two-speed hoisting
- Variable speed electric powered or manual travel
- Standard height of lift 3 m
- FEM group 1 Bm and 2 m
- 3 phase and single phase models
- Stainless steel range

Electric chain hoists are designed to ensure maximum safety to the operator.

- ON/OFF mushroom button on control pendant
- Top and bottom limit switches as standard
- Torque limiter
- Lifting movement disc brake
- ISO 9001 certified
- Low voltage control



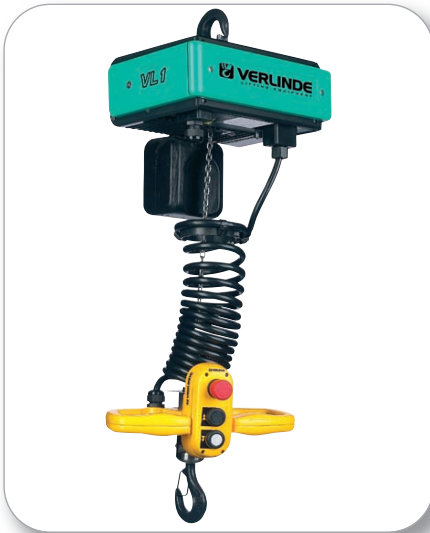
Fixed hook



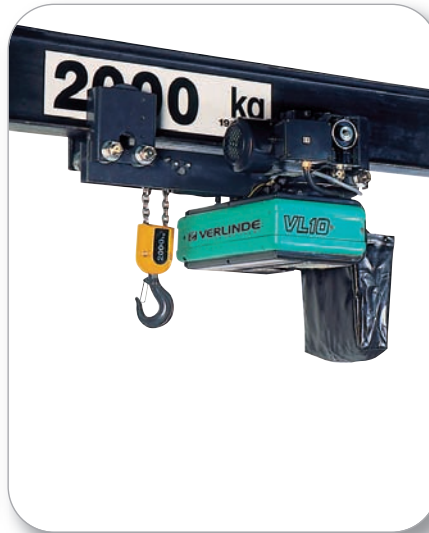
Manual Push Trolley



Powered Trolley



Push button Digichain Manipulator



Low Headroom Powered Trolley



Pendant Control

Additional Options

- ❖ Single phase models
- ❖ Radio remote control
- ❖ Stainless steel chain
- ❖ Stainless steel hook and hook block
- ❖ ATEX models
- ❖ Low headroom trolley
- ❖ Travel limit switches
- ❖ Rain protection covers
- ❖ Gear limit switch
- ❖ Temperature rise limiter on motor
- ❖ Self-lubricated chain
- ❖ Dual brakes
- ❖ Single speed models

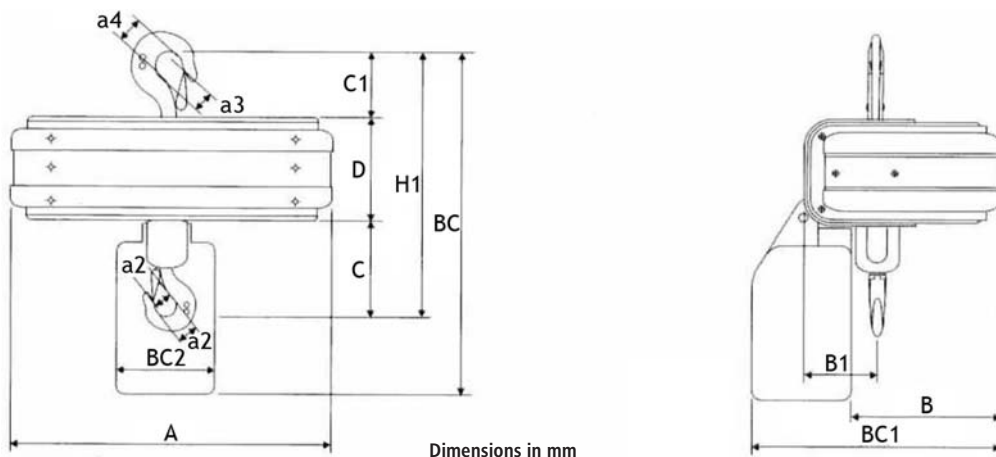


EUROMOTE Radio Remote Control



ATEX Certified Chain Hoist

Electric Chain Hoist Dimensions



Dimensions in mm

| Model | A | B | B1 | BC | BC1 | BC2 | C | C1 | D | H1 | a1 | a2 | a3 | a4 | Weight kg | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----------|--------|--------|----|----|-----|-----|
| Number of falls | | | 1 | 2 | | | 1 | 2 | | | 1 | 2 | 1 | 2 | | 1 fall | 2 fall | | | | |
| VL1 | 308 | 215 | 68 | 83 | 272 | 308 | 120 | 127 | 151 | 73 | 110 | 370 | 394 | 24 | 24 | 30 | 30 | 24 | 30 | 14 | 15 |
| VL5 | 428 | 251 | 91 | 112 | 455 | 300 | 170 | 137 | 183 | 89 | 140 | 366 | 416 | 30 | 38 | 18 | 22 | 26 | 38 | 27 | 30 |
| VL10 | 510 | 316 | 116 | 145 | 575 | 405 | 160 | 163 | 448 | 110 | 175 | 448 | 509 | 36 | 45 | 22 | 35 | 29 | 43 | 55 | 60 |
| VL 16/20 | 518 | 351 | 147 | 196 | 774 | 457 | 300 | 277 | 377 | 153 | 195 | 654 | 765 | 48 | 56 | 43 | 47 | 57 | 53 | 110 | 125 |

Standards and hoisting regulations

CE directive. Since 1st January 1995, the European Machinery Directive 93/37/EEC obliges that machine constructors ensure that their machinery complies with certain regulations, standards, national legislations and technical specifications.

Every VERLINDE product is CE labelled and is delivered with a CE compliance certificate (annex IIA) or with an incorporation certificate (annex IIB).

FEM: European lifting equipment association.

SWP: A Safe Working Period is calculated for each electrical hoist unit according to the average operating time of the hoisting equipment, load capacity and class of application. After this period, a general service carried out by the constructor is necessary.

Class of operation. According to FEM classification, two fundamental criteria must be taken into account: the type of duty and the class of duty (according to average daily operation time average load).

ISO standard. Classes of operation can also be defined according to ISO grouping (1Am = M4, 2m = M5, 3m = M6, etc.)

Type of duty. **Light service:** equipment rarely subject to maximum load and frequently to very little load. **Medium service:** equipment quite often subject to maximum load and frequently to very little load. **Heavy service:** equipment frequently subject to maximum load and frequently to medium load. **Very heavy service:** equipment subject to maximum or near maximum load.

| Average daily operating time (hours) | | 0.5 | | 1 | | 2 | | 4 | | 8 | | 16 | |
|--------------------------------------|-----------------|-------|----|------|----|------|------|------|------|-----|----|-----|----|
| Class of duty | | V0,25 | T2 | V0,5 | T3 | V1 | T4 | V2 | T5 | V3 | T6 | V4 | T7 |
| Type of service | 1 L1 Light | | | | | 1 Bm | M3 | 1 Am | M4 | 2 m | M5 | V4 | M6 |
| | 2 L2 Medium | | | 1 Bm | M3 | 1 Am | M4 | 2 m | M5 | 3 m | M6 | | |
| | 3 L3 Heavy | 1 Bm | M3 | 1 Am | M4 | 2 m | M5 | 3 m | M6 | | | | |
| | 4 L4 Very heavy | 1 Am | M4 | 2 m | M5 | 3 m | M6 | | | | | | |
| Group | | | | | | 1 Bm | M3 | 1 Am | M4 | 2 m | M5 | 3 m | M6 |
| Duty factor | | | | | | 25 % | 30 % | 40 % | 50 % | | | | |
| Number of starts per hour | | | | | | 150 | 180 | 240 | 300 | | | | |

■ FEM 9511 standards classification ■ ISO standards classification

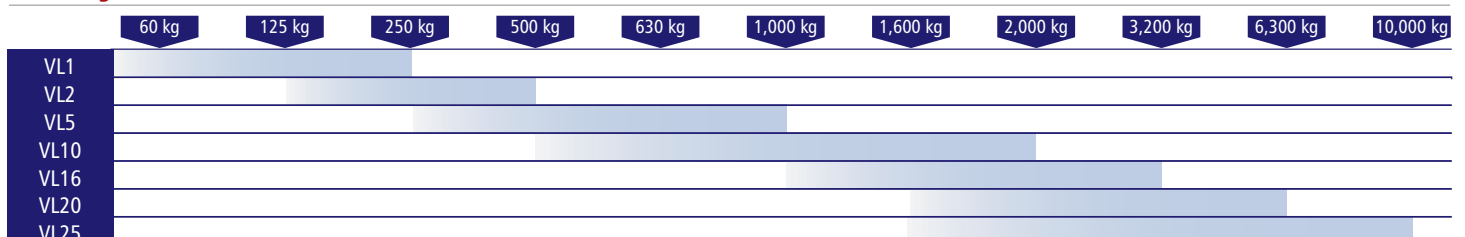
$$* \text{Duty factor in \%} = \frac{\text{Hoisting time} + \text{lowering time}}{\text{Hoisting time} + \text{idle time} + \text{lowering time} + \text{idle time}} \times 100$$

Standard Models

| S.W.L. (kg) | Hoist Model | F.E.M. | Lifting speeds (m/min) | Number of falls | Hoisting motor power (kW) | Fixed hook | Monorail trolley unit | | | | | Chain 800 N/mm ² |
|----------------|---------------|--------|------------------------------|--------------------|---------------------------------|------------|-----------------------|-----------------------|----------------------|-----------|-------------------|--------------------------------|
| | | | | | | | Manual travelling | | Motorised travelling | | | |
| | | | | | | | push trolley unit | chain trolley unit | one speed | two speed | variable speed | |
| 60 | VLI 0616 b1 | 1Bm | 16/4 | 1 | 0.2/0.05 | • | • | • | • | • | – | 3.1 x 9.3 |
| | VLI 068 b2 | 2m | 8/2 | 1 | 0.2/0.05 | • | • | • | • | • | – | 3.1 x 9.3 |
| 80 | VLI 088 b2 | 2m | 8/2 | 1 | 0.2/0.05 | • | • | • | • | • | – | 3.1 x 9.3 |
| 125 | VLI 128 b1 | 1Bm | 8/2 | 1 | 0.2/0.05 | • | • | • | • | • | – | 3.1 x 9.3 |
| | VLI 124 b2 | 2m | 4/1 | 2 | 0.2/0.05 | • | • | • | • | • | – | 3.1 x 9.3 |
| | VL2 128 b2 | 2m | 8/2 | 1 | 0.4/0.1 | • | • | • | • | • | • | 4.8 x 12.7 |
| | VL2 1216 b2 | 2m | 16/4 | 1 | 0.8/0.2 | • | • | • | • | • | • | 4.8 x 12.7 |
| | VL1 254 b1 | 1Bm | 4/1 | 2 | 0.2/0.05 | • | • | • | • | • | • | 3 x 9 |
| 250 | VL2 258 b1 | 1Bm | 8/2 | 1 | 0.4/0.1 | • | • | • | • | • | • | 4.8 x 12.7 |
| | VL5 2516 b1 | 1Bm | 16/4 | 1 | 0.8/0.2 | • | • | • | • | • | • | 4.8 x 12.7 |
| | VL5 254 b2 | 2m | 4/1 | 2 | 0.4/0.1 | • | • | • | • | • | • | 4.8 x 12.7 |
| | VL5 258 b2 | 2m | 8/2 | 1 | 0.8/0.2 | • | • | • | • | • | • | 4.8 x 12.7 |
| 500 | VL2 504 b1 | 1Bm | 4/1 | 2 | 0.4/0.1 | • | • | • | • | • | • | 4.8 x 12.7 |
| | VL5 508 b1 | 1Bm | 8/2 | 1 | 0.8/0.2 | • | • | • | • | • | • | 4.8 x 12.7 |
| | VL10 5016 b1 | 1Bm | 16/4 | 1 | 1.7/0.4 | • | • | • | • | • | • | 6 x 17.8 |
| | VL5 504 b2 | 2m | 4/1 | 2 | 0.8/0.2 | • | • | • | • | • | • | 4.8 x 12.7 |
| | VL10 508 b2 | 2m | 8/2 | 1 | 1.7/0.4 | • | • | • | • | • | • | 6.8 x 17.8 |
| 1,000 | VL5 1004 b1 | 1Bm | 4/1 | 2 | 0.8/0.2 | • | • | • | • | • | • | 4.8 x 12.7 |
| | VL10 1008 b1 | 1Bm | 8/2 | 1 | 1.7/0.4 | • | • | • | • | • | • | 6.8 x 17.8 |
| | VL10 1004 b2 | 2m | 4/1 | 2 | 1.7/0.4 | • | • | • | • | • | • | 6.8 x 17.8 |
| | VL16 1008 b2 | 2m | 8/2 | 1 | 3.5/0.9 | • | • | • | – | – | • | 9 x 27 |
| 1,600 | VL10 1604 b1 | 1Bm | 4/1 | 2 | 1.7/0.4 | • | • | • | • | • | • | 11.3 x 31 |
| | VL16 1608 b1 | 1Bm | 8/2 | 1 | 3.5/0.9 | • | • | • | – | – | • | 11.3 x 31 |
| | VL25 1606 b2 | 2m | 6.3/1.6 | 1 | 3.5/0.9 | • | • | • | – | – | • | 11.3 x 31 |
| 2,000 | VL10 2004 b1 | 1Bm | 4/1 | 2 | 1.7/0.4 | • | • | • | • | • | • | 6.8 x 17.8 |
| | VL16 2004 b2 | 2m | 4/1 | 2 | 3.5/0.9 | • | • | • | – | – | • | 9 x 27 |
| | VL20 2008 b1 | 1Bm | 8/2 | 1 | 3.5/0.9 | • | • | • | – | – | • | 11.3 x 31 |
| 2,500 | VL16 2504 b1 | 1Bm | 4/1 | 2 | 3.5/0.9 | • | • | • | – | – | • | 9 x 27 |
| | VL20 2504 b2 | 2m | 4/1 | 2 | 3.5/0.9 | • | • | • | – | – | • | 11.3 x 31 |
| | VL25 2506 b1 | 1Bm | 6.3/1.6 | 1 | 3.5/0.9 | • | • | • | – | – | • | 11.3 x 31 |
| 3,200 | VL16 3204 b1 | 1Bm | 4/1 | 2 | 2.5/0.64 | • | • | • | – | – | • | 9 x 27 |
| | VL25 3203 b2 | 2m | 3.2/0.75 | 2 | 3.5/0.9 | • | • | • | – | – | • | 11.3 x 31 |
| 4,000 | VL20 4004 b1 | 1Bm | 4/1 | 2 | 3.5/0.9 | • | • | • | – | – | • | 11.3 x 31 |
| | VL20 4002 b1 | 2m | 2.7/0.7 | 3 | 3.5/0.9 | • | • | • | – | • | – | 11.3 x 31 |
| 5,000 | VL25 5003 b1 | 1Bm | 3.2/0.75 | 2 | 3.5/0.9 | • | • | • | – | – | • | 11.3 x 31 |
| | VL25 5002 b2 | 2m | 2.1/0.5 | 3 | 3.5/0.9 | • | • | • | – | • | – | 11.3 x 31 |
| 6,000 | VL20 6302 b1 | 1Bm | 2.7/0.7 | 3 | 3.5/0.9 | • | • | • | – | • | – | 11.3 x 31 |
| 7,500 | VL25 7502 b1 | 1Bm | 2.1/0.5 | 3 | 3.5/0.9 | • | • | • | – | • | – | 11.3 x 31 |
| 10,000 | VL25 10003 b1 | 1Bm | 3.2/0.75 | 2 x 2 | 2 x 3.5/0.86 | NC | – | – | • | • | • | 11.3 x 31 |

Load Range

• Available in this version – Not available in this version



Manual Hoists

Chain Hoist

- ⌘ Capacity 250 – 10,000 kg
- ⌘ Compact design and capable of high performance.
- ⌘ All hoists are tested to current standards

Technical Features

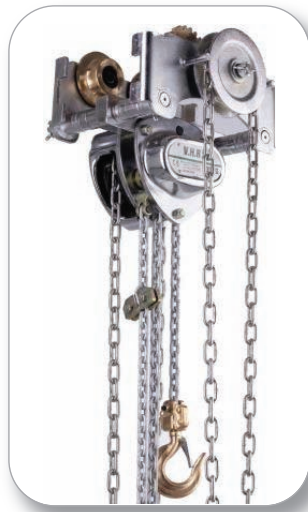
- ⌘ Machined chain sprocket and gears provide a smoother, more efficient operation
- ⌘ Overload limiting device prevents lifting loads beyond the rated capacity
- ⌘ 3m standard height of lift
- ⌘ Hand chain is 0.5 m less than lift height
- ⌘ Extra height of lift available if required
- ⌘ High strength grade 80 alloy steel load chain with galvanised finish for corrosion resistance
- ⌘ Rugged construction featuring steel gearcase and handwheel cover
- ⌘ Hooks are alloy steel, heat treated and equipped with hook latches and inspection points



Standard Chain Hoist



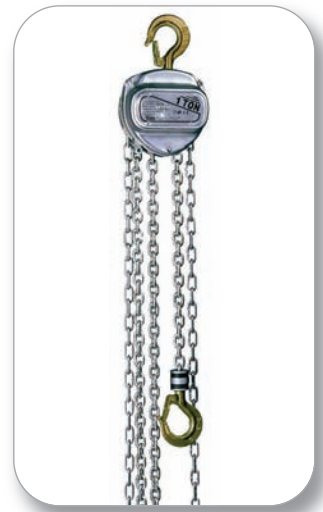
Lever Hoist



Ex Block & Tackle with Beam Trolley



Chrome Plated Block & Tackle



Non Sparking Bronzed Hooks

| Capacity kg | Lift height mm | Load chain number of falls | Load chain diameter X pitch | Effort on actuating chain (kg) | Weight kg | Model |
|-------------|----------------|----------------------------|-----------------------------|--------------------------------|-----------|-------|
| 250 | 3000 | 1 | 4 x 12 | 23 | 6.2 | VHR1 |
| 500 | 3000 | 1 | 5 x 15 | 24 | 11 | VHR2 |
| 1000 | 3000 | 1 | 6 x 18 | 25 | 12.5 | VHR3 |
| 1500 | 3000 | 1 | 7.1 x 2.1 | 26 | 17.8 | VHR4 |
| 2000 | 3000 | 1 | 8 x 24 | 33 | 19.5 | VHR5 |
| 3000 | 3000 | 1 | 10 x 28 | 37 | 35 | VHR6 |
| 5000 | 3000 | 2 | 9 x 27 | 36 | 41.3 | VHR7 |
| 7500 | 3000 | 4 | 9 x 27 | 38 | 78.5 | VHR8 |
| 10000 | 3000 | 4 | 9 x 27 | 38 | 78.5 | VHR9 |

Options

- ⌘ Stainless steel
- ⌘ ATEX certified
- ⌘ Built into beam trolley

Pneumatic Hoists

Pneumatic Hoists

Pneumatic hoists are particularly suited to environments where there is a risk of explosion due to inflammable gases or where the duty is onerous.

Unlike electric hoists, the compressed air power driving medium does not produce any ignition risk thus making the hoists extremely suitable for hazardous areas.



500 kg Hook Suspended Pneumatic Hoist



ATEX Pneumatic Hoist with Chain Driven Trolley

Standard Features

- ⌘ Capacity 140 – 10,000 kg
- ⌘ Rotary vane motor
- ⌘ Robust epicyclic gearbox (grease filled and sealed)
- ⌘ Choice of pendant control or pull cord
- ⌘ Mechanical, paddle action upper and lower limit switches
- ⌘ Cast steel housing
- ⌘ Variable speed
- ⌘ Internal silencing
- ⌘ Carbon steel swivel hooks with safety catches
- ⌘ Load chain options
- ⌘ High speed
- ⌘ Compact design

Options available

- ⌘ Spark resistant
- ⌘ Marine specification
- ⌘ Corrosion resistant
- ⌘ Chain collectors
- ⌘ ATEX certified
- ⌘ Beam trolleys
- ⌘ Filter regulator kits
- ⌘ Festoon kits
- ⌘ Suzie coil supply hoses



Manual Winches

Manual Winches - ME & MV

- :: Capacity 150 – 3,000 kg
- :: Worm geared or gearing type – hand operated
- :: High degree of protection – heavy duty chlorinated rubber paint
- :: Four anchor points for stability
- :: Ratchet brake with stainless steel spring
- :: Declutchable drum on all models over 250 kg
- :: Adjustable / removable / lockable crank handle
- :: Flexible rope fastener
- :: Suitable for lifting and traction



Type ME & MV

Manual Winches - MA & MB

- :: Capacity 300 – 1,350 kg
- :: Wall mountable – hand operated
- :: Galvanised steel frame or stainless steel option
- :: Spur gears – low force, low noise
- :: Vertical or horizontal mounting options
- :: Three or four anchor points spread for stability
- :: Automatic brake
- :: Dis-engageable drum
- :: Long crank handle for maximum force
- :: Flexible rope fastener
- :: Suitable for lifting and traction



Type MA & MB

Hand Lever Winch - TLV

- :: Capacity 800 – 3,200 kg
- :: Manufactured from high resistance aluminium which makes it light and easy to handle
- :: Heavy duty tool suitable for tough working conditions
- :: Easy maintenance, suitable for all outdoor purposes.
- :: 3 sizes available: 800 kg, 1,600 kg and 3,200 kg
- :: Complies with the current European safety regulations
- :: Delivered with a 20 m rope, with a hook fitted to one end
- :: Suitable for lifting and pulling loads over long distances



Type TLV

Tirlift Pulling & Lifting Models

Standard Features

- ⌘ Capacity 125 – 990 kg
- ⌘ 1 or 2 speeds
- ⌘ Motor and electrics IP55
- ⌘ Power supply 380 – 400 V/3 ph/50 Hz
- ⌘ Low voltage control 48 V
- ⌘ Short or long drum length
- ⌘ Rope diameter 5 – 7 mm
- ⌘ Rope length up to 60 m
- ⌘ Many directions for wire rope outlets from the drum

Options

- ⌘ Pendant, wall-mounted and radio controls
- ⌘ Limit switches via cams mounted on the drum outlet
- ⌘ Speed controls
- ⌘ Grooved drum
- ⌘ Travel limit switches.
- ⌘ Electronic load limiter
- ⌘ Single phase models
- ⌘ Thermal protection
- ⌘ Roll for tightening the wire rope
- ⌘ Rope pressure roller
- ⌘ Manual brake release
- ⌘ Fixed point plate with load limiter and tensioner
- ⌘ Centred lifting
- ⌘ Return pulley assembly
- ⌘ Fall hook block 1/2/4 fall options
- ⌘ Special length drums available upon request



Type TC & TL

TEC Electric Winches for Pulling & Lifting

Standard Features

- ⌘ Capacity 300 – 7500 kg
- ⌘ 230/400 V – 50 Hz 3-phase motor
- ⌘ Low voltage electromagnetic brake with automatic take-up of wear
- ⌘ IP 54 protection for the switchgear (cabinet and motor)
- ⌘ Emergency stop pushbutton box on a 3 metre long spiral cable
- ⌘ ON/OFF contactor.
- ⌘ 24 V low voltage transformer
- ⌘ Thermal cutout circuit-breaker
- ⌘ Primary down gearing by an oil bath reduction box
- ⌘ Secondary down gearing by gear under a cover (except for the T.E.C 1)
- ⌘ Modular design chassis amenable for changes (for instance a multiple choice of exits to lead out the cable from the drum)

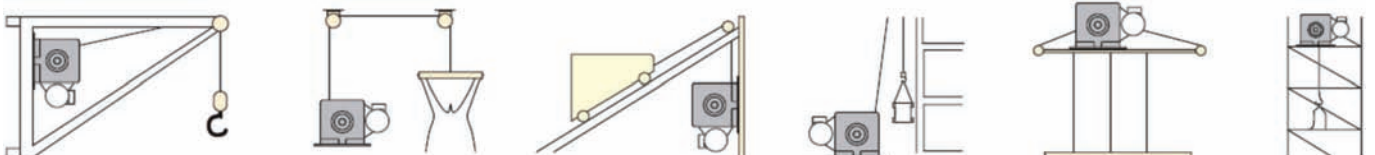
Options

- ⌘ 2 speed or variable speed motor
- ⌘ Special drum length
- ⌘ Pendant, wall-mounted and radio controls
- ⌘ Upper and lower travel limit switches
- ⌘ Cable press roller / slack cable detection
- ⌘ Electronic load limiter
- ⌘ Mechanical de-clutching of the drum [Except TEC1]
- ⌘ Thermal protection
- ⌘ Return pulley assembly
- ⌘ Fall hook block 1/2/4 fall options
- ⌘ Grooved drum



Type TEC

Examples of use



I Beam Trolleys

Manual I Beam Trolley - CHD

- :: Capacity 250 – 10,000 kg
- :: Can be used with any type of lifting equipment fitted with a hook
- :: Adjustable side plates to suit different I-beam sizes/widths
- :: Standard range suits I Beams 50 – 310 mm wide
- :: Travel is achieved by push/pull movement
- :: Manufactured in high resistance steel
- :: Rollers are shaped to run on all types of steel monorails



CHD

Hand Chain Drive Model - CHDD

- :: Capacity 1,000 – 10,000 kg
- :: Standard range suits I Beams 65 – 310 mm
- :: Hand chain 0.5 m above ground level
- :: Drive chain and drive wheels
- :: To suit radius of curvature from 0.65 to 2.0 m
- :: CHR model also available for capacities 12,500 – 20,000 kg



CHDD

Electric Travel Model - CHV

- :: Variable travel speed 5 – 20 m/min
- :: 4 rubber stops
- :: IP55, class F motor protection standard
- :: Low voltage control

3 Standard Models

- :: CHV 10: 250 – 1,000 kg
- :: CHV 20: 1000 – 2,000 kg
- :: CHV 30: 2000 – 3,200 kg



CHV

Options

- :: Full stainless steel construction
- :: ATEX certified
- :: Spark resistant
- :: Installation, testing, certification
- :: Hoists built in or hook suspended



Manual Trolley

SS 304

Balancers & Manipulators



Lifting & Handling Equipment

| | |
|------------------------|----|
| :: Pneu-Lifts | 36 |
| :: Pneumatic Balancers | 38 |
| :: Spring Balancers | 40 |
| :: Manipulators | 42 |

Powered & Balanced Lifters

Pneu-lifts enable the safe, ergonomic and efficient handling of many products up to a maximum weight of 650 kg.

Pneu-lifts incorporate a pneumatic cylinder to achieve the lifting action, and are normally custom built to suit the relevant working environment.

Low noise levels and low maintenance make Pneu-lifts the ideal solution for your material handling problems.

Three control styles ensure maximum flexibility. Auto balance, powered lift/lower, and pre-set loaded/unloaded options allow the most suitable control style to be used for each handling application.

Pneumatic systems are ideal for installation in explosive risk environments, and can be finished to a high stainless steel specification suitable for the pharmaceutical or food industries.

The versatile Pneu-Lift is suitable for use with a variety of attachments, including powered grippers, vacuum grippers, and simple mechanical attachments like hooks.

- ❑ Pneumatically powered
- ❑ Low operating noise levels – 65dB(A) at 1m
- ❑ Optional controls for raising and lowering
- ❑ Non-return safety system incorporated to prevent instantaneous loss of load in case of rupture to main air supply line – with in-built audible alarm warning system
- ❑ Low friction balance cylinders mean minimum operator effort is used at all times
- ❑ Vertical stroke range available up to 2,000 mm
- ❑ Mild steel and stainless steel manufactured units available
- ❑ Easy to operate
- ❑ Low maintenance – virtually no wearing parts
- ❑ 12 month warranty on non-wearing parts
- ❑ Eliminates health and safety issues around the lifting and handling of heavy, awkward loads
- ❑ ATEX options



Vacuum Grip



Drum Lifter



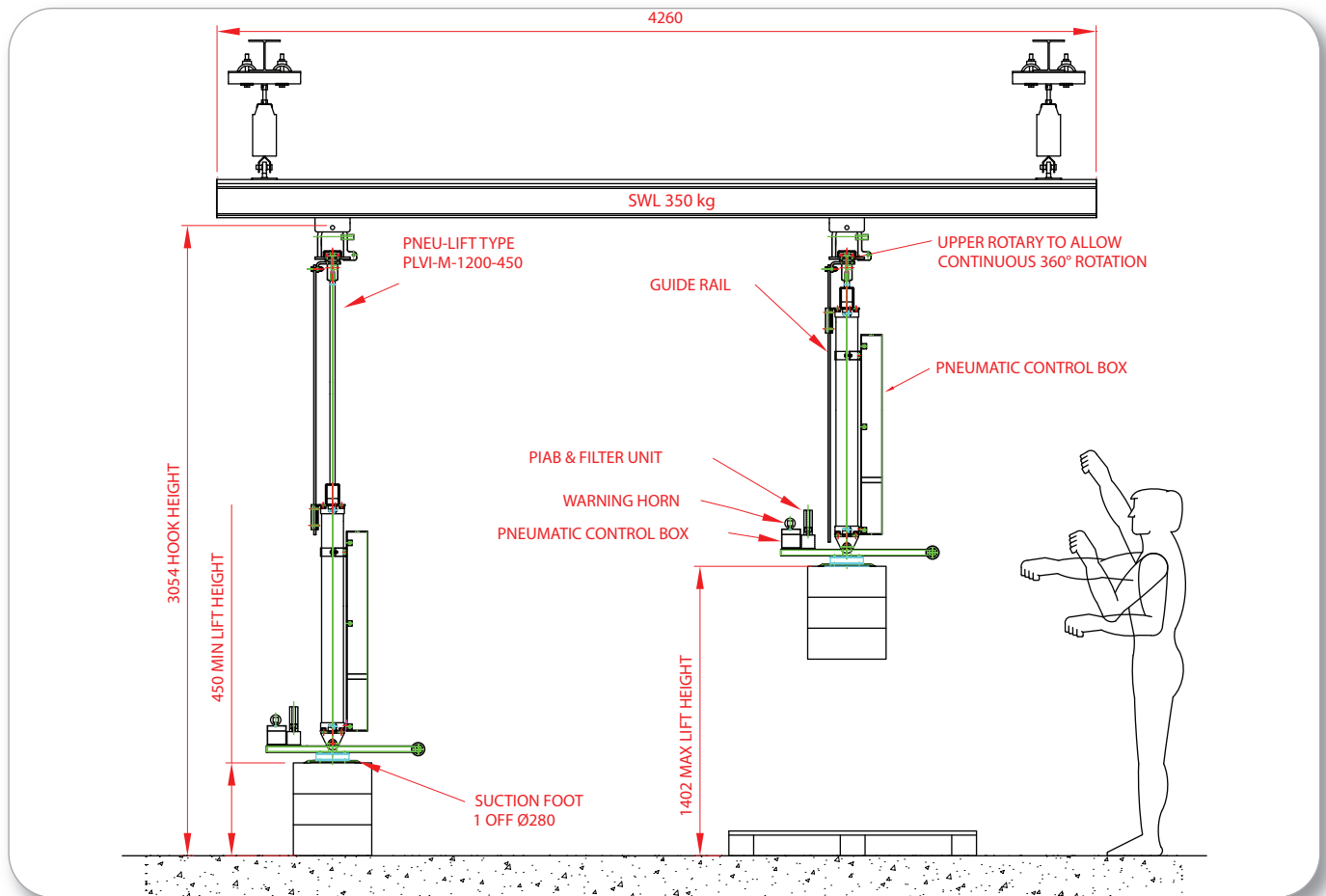
Controls



Stainless Steel Pneu-lift



Pneu-lift Balancer



Pneu-lift supported by overhead crane

Warehouse Drum Lifter - Application Details

This is one of the most versatile drum lifters available on the market. Designed to transfer drums from pallet to scales and from wooden pallet to steel pallet. Supported by a light crane suspended from above by existing steelwork.

Drums are top lifted, so no extra space is required, drums can simply be picked straight from the pallet and moved to their new location without any awkward manoeuvres. Because the vacuum and lift are independently powered, a high vacuum level can be generated in the suction feet to allow heavy and light drums to be lifted by the same system.

The standard safety circuit requires an operator to press two buttons to release a drum, it also inhibits release if the drum is in the air, via interlock.

Suction feet are changed via quick release fittings without the use of tools, allowing drums with different style lids to be handled when required.

Features

- ⚡ Push button controlled grip and lift
- ⚡ Air powered vacuum pump
- ⚡ Lift stroke 950 mm
- ⚡ 360° continuous rotation
- ⚡ Pneumatically powered / 6 bar / 20 cfm required
- ⚡ Capacity 350 kg
- ⚡ Min. Lift 450 mm / max. lift 1,400 mm
- ⚡ ATEX zone 21 certified

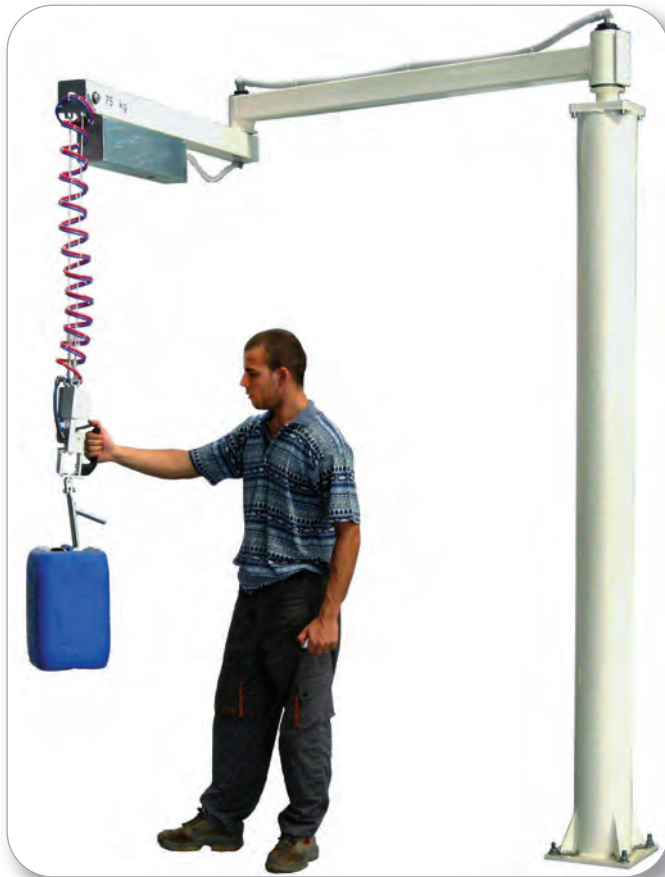
Pneumatic Balancers

Pneumatic air balancers are designed for many lifting applications and can offer product lift and float in one combined system.

In float mode the operator experiences virtually no weight or resistance in moving the load.

Their simple design is practically maintenance free. Air balancers are extremely economical to run thus reducing energy costs.

Pneumatic air balancers are the perfect option when high speed, precise handling of a load is required.



Floor Mounted Style



Simple Balanced Hook

Typical Applications

- ❑ Attaching a vacuum gripping device
- ❑ Attaching a magnetic gripping device
- ❑ Balancing heavy tools like welding plant
- ❑ Component part handling using gripping device or hook

Features

- ❑ Easy to operate
- ❑ Low maintenance – virtually no wearing parts
- ❑ Eliminates health and safety issues around the lifting and handling of heavy, awkward loads

Features

- ❖ Pneumatically powered
- ❖ Low operating noise levels – 65dB(A)
- ❖ Pendant controls for raising and lowering – single operator use
- ❖ High speed operation up to 100 mm/sec, with adjustable speed by control valve
- ❖ A braked floating action allows load to be suspended at any height
- ❖ Check valves fitted in case of air failure
- ❖ Maximum lifting capacity of 300 kg
- ❖ Vertical stroke range available up to 3,000 mm
- ❖ Mild steel standard with stainless steel option
- ❖ Overload protection
- ❖ Suitable for mounting on slewing jib crane or overhead crane mounting
- ❖ Suitable for use with mechanical, magnetic, pneumatic or vacuum gripping attachments
- ❖ Manufactured in accordance with ISO 9001
- ❖ Floaty by design – push button raise/lower plus balanced control so the load can be lifted and lowered manually with minimal effort over a 200 mm range while suspended.



Pneumatic Gripper



Handle Hook



Custom Gripper



Vacuum Grip

Spring Balancers

Tool Balancers

Tool balancers are the ideal solution for many applications where there is a requirement to hold or position a tool or work-piece without excessive manual effort

Balancers are available in a range of capacities from 0.4 kg up to 180 kg with working strokes from 1.3 – 3 m.

Applications vary from light bench work to heavy industrial applications in areas such as foundries and assembly plants

- Standard and ATEX Certified Models



Light Duty Tool Balancers (0.4 - 14kg)

An economical and light weight range of balancers with capacities from 0.4 – 14 kg and maximum working stroke 2,500 mm, ideal for general bench work.

Features

- Simple rugged construction
- Cast aluminium body
- Adjustable capacity
- Self lubricating bushes
- Adjustable stroke limiting device
- Rotary hook
- Auxiliary safety cable
- Stainless steel cable
- Anti-friction cable guide



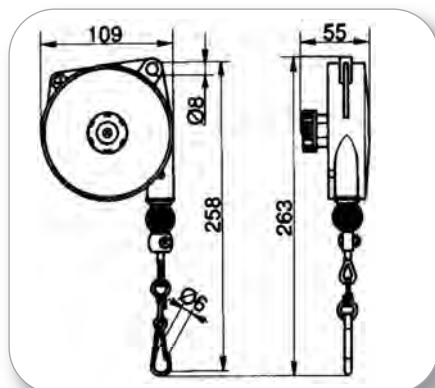
Light Duty Model



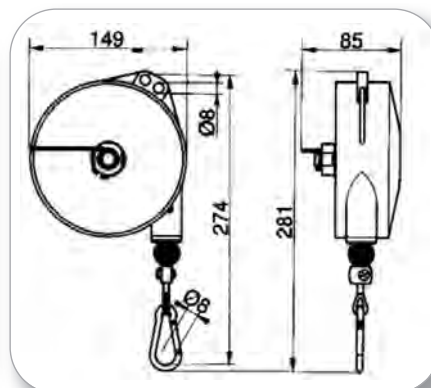
Lance & Hose Balancing

Light Duty Models

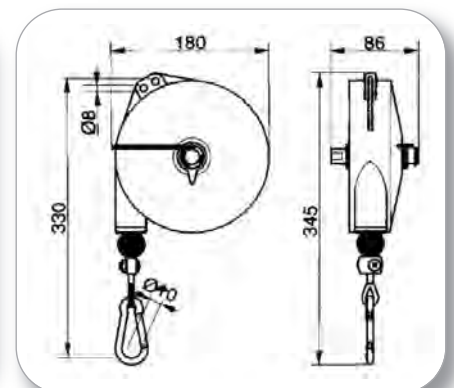
- Series 31: 0.4 – 3.0 kg capacity / 1,600 mm working stroke
- Series 32: 1.0 – 8.0 kg capacity / 2,000 mm working stroke
- Series 33: 2.0 – 14.0 kg capacity / 2,500 mm working stroke
- Series 34: 2.0 – 14.0 kg capacity / 2,500 mm working stroke locking device for instant locking and release at any height



Series 31



Series 32



Series 33/34

Heavy Duty Tool Balancers

A range of tool balancers with 'anti load-drop' safety device suitable for working strokes up to 3,000 mm.

Features

- ❑ Capacity 4 – 180 kg
- ❑ Safety device prevents the load from dropping in the event of spring failure
- ❑ Taper drum rotating on ball bearings
- ❑ Precision guided cable winding avoids entanglement and jamming
- ❑ Anti-friction cable guide
- ❑ Ribbed, sealed mono-block construction
- ❑ Inert spring drum assembly for easy replacement
- ❑ Cast aluminium body
- ❑ Adjustable capacity by means of a worm screw
- ❑ Auxiliary safety cable
- ❑ Suspension by safety hook
- ❑ Stainless steel cable
- ❑ Anti-friction cable guide
- ❑ Latching device to hold load in position at different levels (optional)
- ❑ Load hook with ball bearing swivel (optional)

Heavy Duty Models

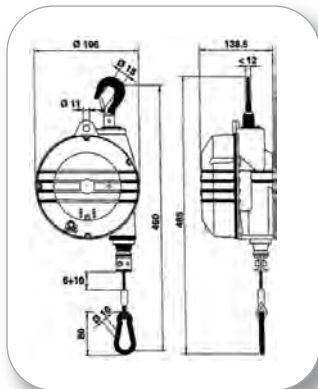
- ❑ Series 35: 4 – 25 kg capacity / 2,000 mm working stroke
- ❑ Series 36: 10 – 105 kg capacity / 2,000 mm working stroke locking device for instant locking and release at any height
- ❑ Series 40: 15 – 180 kg capacity / 2,500 mm working stroke locking device for instant locking and release at any height
- ❑ Series 43: 15 – 180 kg capacity / 3,000 mm working stroke locking device for instant locking and release at any height



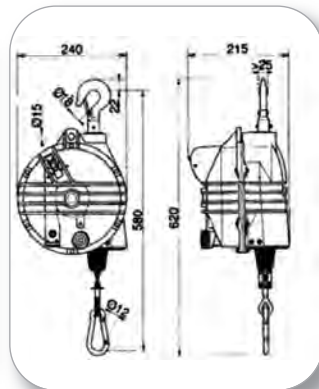
Heavy Duty Model



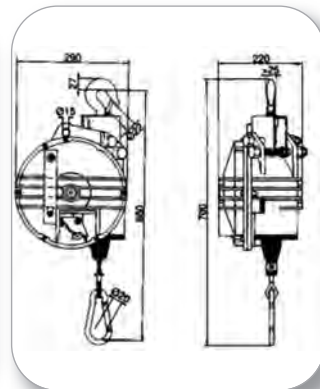
ATEX Spring Balancer



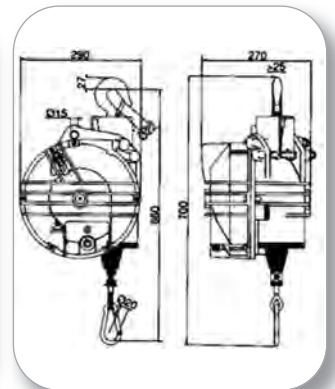
Series 35



Series 36



Series 40



Series 43

Manipulators

Manipulators are used for controlled, ergonomic and efficient handling of many products, up to a maximum weight of 300 kg and can perform almost any material handling task with the minimum of effort from an operator.

Control of all functions is by push button or auto-balance. Manipulators are pneumatically powered.

Manipulators are used for handling applications which demand precise picking and positioning, rather than speed of operation and would generally be used within heavy industrial environments.

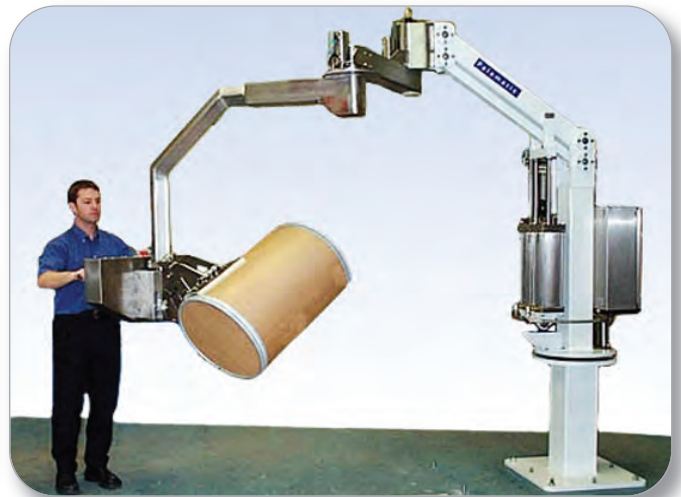
A range of finishes are available, the standard finish is mild steel painted, but high specification stainless steel 304 is available with all grades of polish.

Floor, wall and ceiling mounted versions are available.

Manipulators are ideally suited to the handling of off-set or cantilevered loads.



90° Tilt End Effector



Stainless Steel Contact Parts



Drum Grip



Off-set Load



Stainless Steel Manipulator



Drum Pour



Reel Turning Manipulator

Pharma Solutions



Lifting & Handling Equipment

| | |
|----------------------------------|----|
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Pharma Solutions

Absolute Handling Systems Ltd supply a comprehensive range of lifting equipment designed specifically for the Pharmaceutical Industry.

We offer a range of purpose built lifting and handling equipment to meet the rigorous standards of the hygienic process industries.

Our service is from design to commissioning, supporting our customer every step of the way.

Through our experience working closely with engineering teams in many of the world's leading Pharmaceutical and BioTech manufacturing companies, we have developed a deep understanding of the challenges facing our customers.

Our goal is to supply lifting solutions which are:

- ⌘ User friendly
- ⌘ Safe
- ⌘ Built to the highest standards
- ⌘ Easily maintained
- ⌘ Economic

Typical Solutions include;

- ⌘ Lifting
- ⌘ Tipping and transporting
- ⌘ Pouring
- ⌘ Powder infeed
- ⌘ Product transfer
- ⌘ Blending

Our range includes electrically and pneumatically powered systems, to suit the many different environments, such as cleanrooms and ATEX classified areas.

Our versatile range ensures that we have a solution for every handling application.

- ⌘ Mobile options
- ⌘ Floor or column mounted styles
- ⌘ Ceiling or wall mounted
- ⌘ Low headroom designs

Each Pharma system is offered with a comprehensive documentation package tailored to meet the clients specification.

Our customer references include the worlds leading manufacturers, Pfizer, Wyeth, Takeda, Covidien, Clarochem Ireland, Bristol Myers Squibbs, Gilead, Gerard Laboratories, Elan, Leo Pharma, Rottapharm, Glaxo Smithkline, Ivax, Novartis, Schering Plough, Genzyme, Baxter Healthcare, Arch Chemicals, Servier, Abbott Ireland, Stryker Ireland, CrossVet Pharma.





Sack Lift



Drum Lift



Drum Pour

PharmaVac Hygienic Vacuum Tube Lifter

- ⌘ Drum, sack and box lifting
- ⌘ cGMP grade 304/316 stainless steel and ATEX compliant
- ⌘ Unique internal filtration – protects internal components from contamination
- ⌘ Safe change filter station – allows an operator to change the internal filter safely
- ⌘ Easy to clean – all components designed to be hand demountable using tri-clover clamps
- ⌘ Custom design – there is a solution for every application



Ceiling Mounted PharmaVacs - Powered Drum Pour



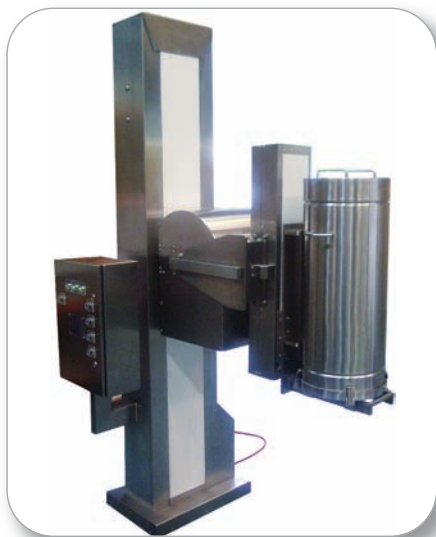
Geared Handwheel

Post & Column Hoists

- ⌘ Capacity up to 2,500 kg
- ⌘ Lift heights up to 6 m
- ⌘ Reach up to 2 m
- ⌘ Discharge/dock/feed/tip/blend
- ⌘ Precision ball screw drive system – cleanest lifting/lowering system available
- ⌘ No ceiling support required – reduced infrastructural costs
- ⌘ cGMP and ATEX certified designs
- ⌘ Hygienic external finish of 304 or 316L cover options
- ⌘ Flexible control options – two handed ‘push to run’ standard, with remote station options
- ⌘ Powered or manual slew
- ⌘ Forks / roller beds / interlocked gated enclosures



Slewing Style



Lift & Tip



Column built into wall



PLC Control

Mobile Post Hoist Range

- ⌘ Capacity up to 2,500 kg
- ⌘ Reach up to 3.5 m
- ⌘ Manual, pneumatic or electric powered
- ⌘ cGMP mobile post hoist
- ⌘ Transportation/depalletisation/pouring
- ⌘ Docking feature
- ⌘ Telescopic GMP masts allow units through doorways and still reach 3.5 m lift height
- ⌘ Squeeze cone options
- ⌘ Valve options
- ⌘ Product discharge vibration options
- ⌘ Multiple end effectors can be used on a single truck



Telescopic Mast



Manual push, powered lift, grip and pour



Squeeze Cone



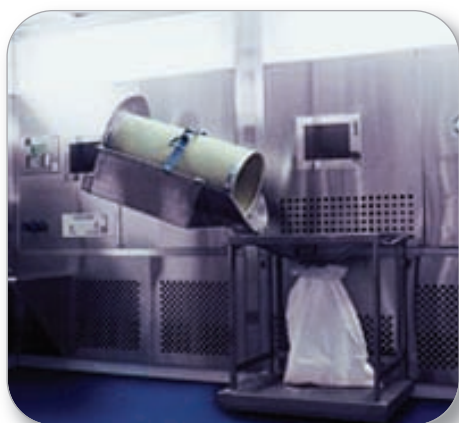
Squeeze Cone & Valve



Power Drive

Drum Tipping & Positioning Systems

- ⌘ Drums of powder or liquid handled up to 350 kg
- ⌘ Fixed and mobile units
- ⌘ ATEX and cGMP stainless steel 304/316L
- ⌘ Containment options
- ⌘ Custom design, lift and tip to any height
- ⌘ Build into booth wall option
- ⌘ Support cradle options – conveyor/fork/plate/squeeze cone/custom designs
- ⌘ Pneumatic and electric drive options
- ⌘ PLC control option
- ⌘ Push to run-standard control
- ⌘ Inner liner retainer option



The tipper motor and gearbox are mounted on the opposite side of the booth wall



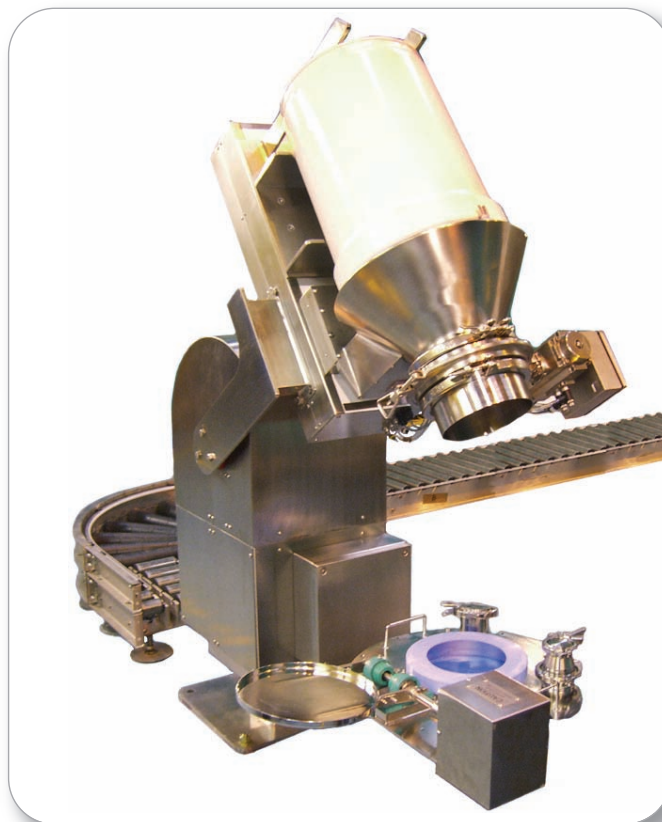
Fixed Style



Roller Fed



Mobile Style



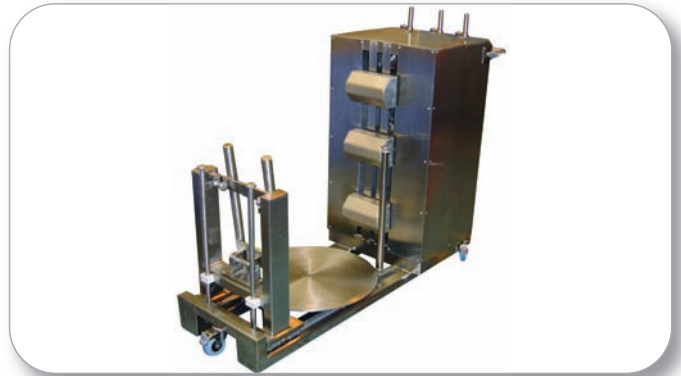
Squeeze Cone & Valve

PharMassage - Drum Massage System

- ∴ Ideal solution to break up material – which has settled or hardened in drums whilst in storage or transit
- ∴ Requires only a clean dry compressed air supply
- ∴ Adjustable cylinder ram height and backstop options to suit a range of drums sizes
- ∴ Mobile and fixed options
- ∴ cGMP construction with 304 or 316 options



Mobile Drum Massager



Adjustable Back Stop & Rams

PharmaBins - IBC, Drum, & Valve Options

The PALPharmaBin has been designed to comply with the specific needs of the pharmaceutical, food and allied industries for efficiently transporting semi-bulk solids to the point of use in process plants and transferring all types of free flowing powdered and granular material. Options are available to aid the discharge of non free flowing powders and granules.



Drums



IBC's



Valve Options

The PharmaBins are manufactured in 304/ 316L stainless steel as standard. Interior polished to 0.2 microns.

- ∴ External finish is 0.4 microns
- ∴ Total volume from 300 to 2,500 litres
- ∴ Hopper angle is 60° on the wide side, 50° on the narrow side
- ∴ Designed for hygienic cleaning to be carried out manually or automatically without any dead points or difficult areas to clean
- ∴ Large upper lid in stainless steel 304 or 316L with lock clamp connection
- ∴ The PALPharmaBin can be partially or completely discharged and then stored, re-used or cleaned
- ∴ The PharmaBin becomes a blending vessel when used with a PharmaBlend, offering batch integrity and traceability. Once loaded into the blender frame, the PharmaBin is tumbled on an asymmetric axis to provide a quick and efficient blend
- ∴ Dust tight
- ∴ Superior discharge control through standard butterfly valve when dealing with free flowing and granular powder
- ∴ A wide selection of stainless steel process drums also compliment the range.

Stainless Steel Pneumatic Hoists & Manipulators

- ⌘ Designed for docking drums or containers onto process machinery using 'floaty' control
- ⌘ Operator controls are designed to suit the application – full safe control assured
- ⌘ Loads up to 350 kg can be handled as standard
- ⌘ cGMP designed pneumatic lifting systems
- ⌘ Optional floor, wall, or ceiling mounted arrangements
- ⌘ Suitable for ATEX zoned areas
- ⌘ Usable in classified areas as the systems work on clean, dry, oil free compressed air
- ⌘ Ideal for transfer applications – pallet to conveyor or trolley



IBC Cleanroom Hoist



Controlled Docking Solutions



Floor Mounted PharmAssist



Ceiling Mounted PharmAssist

Stainless Steel Crane Options



Floor Mounted Knuckle Jib



Ceiling Mounted Manipulator



Paltrac Jib Style



Drum Clamp



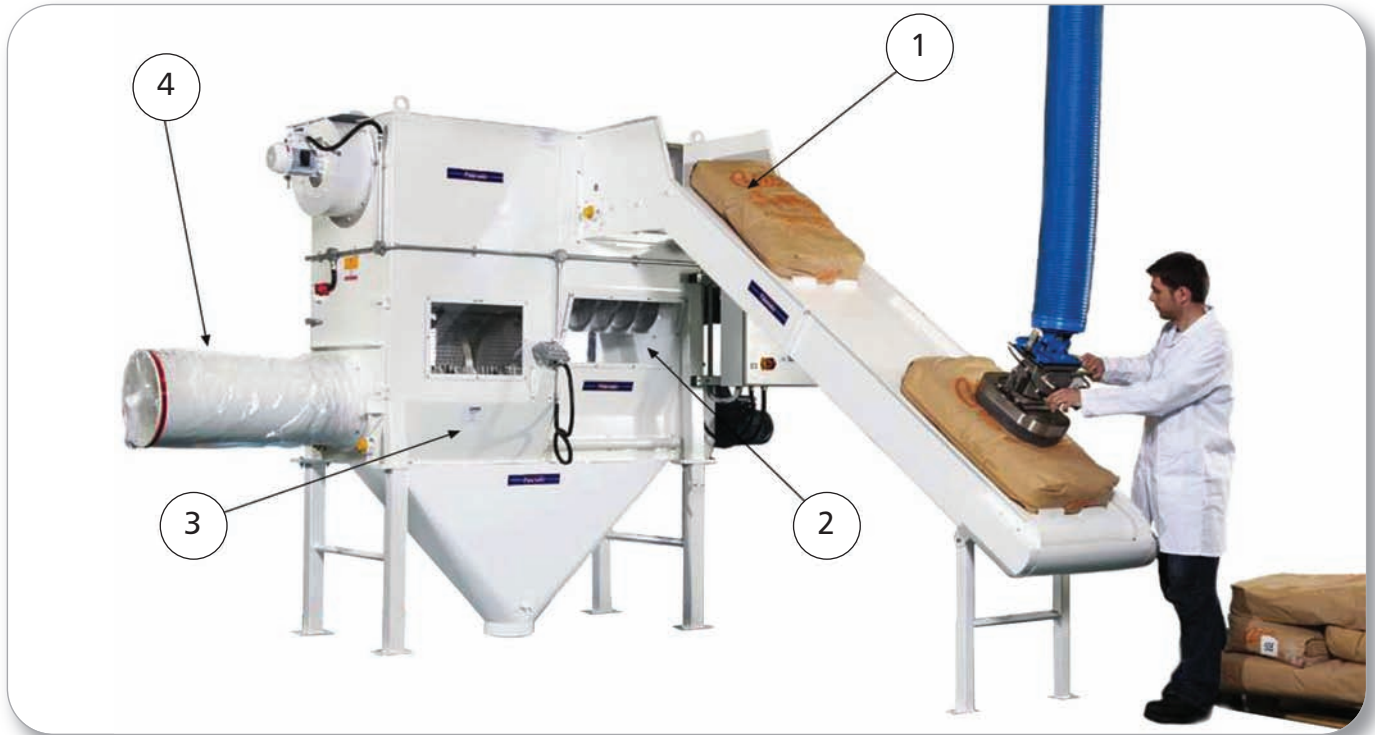
Paltrac 'H' Style Crane



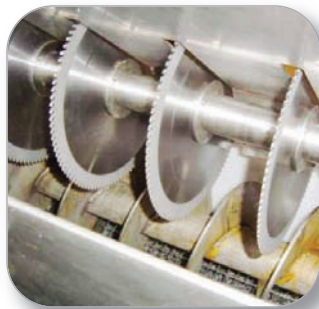
Standard 'H' Style Crane

The Palamatic RotaSlit™

Four easy steps to automatic bag slitting and management:



Infeed



Cutting Chamber



Screw Auger



Waste Sacks

- 1** Load the sack into machine. Manual or conveyor fed options available.
(A range of Palamatic Vacuum Sack Lifters are available to assist the de-palletising and lifting onto the machine)
- 2** Sack is opened in the cutting chamber*. The product is discharged efficiently from the cut sacks.
*(Auger and rotary blade cutting systems available - dependant on application).
- 3** Sack cuttings are separated from the product and the screw auger transfers them into the tumble drum chamber where any remaining product is removed.
- 4** The waste sack is compacted into a dust tight tube for easy disposal.

Sack Opening Solutions

Dairy/Food Process

- ∴ Minimal internal components reduce product hang-up points.
- ∴ Stainless steel manufacture with range of polished finishes.



Stainless Steel Contact Parts

ATEX/Hazardous Process

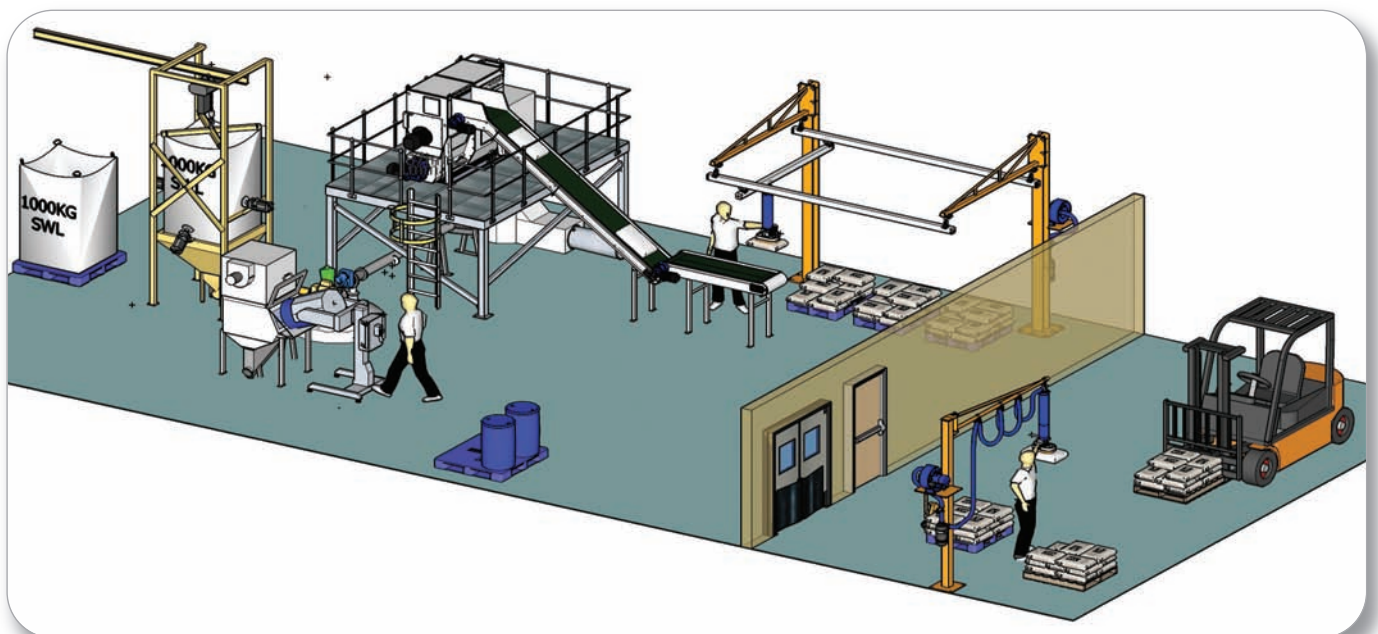
- ∴ Zones 1/21 specification available internally and externally.



Mild Steel Epoxy Paint Finish

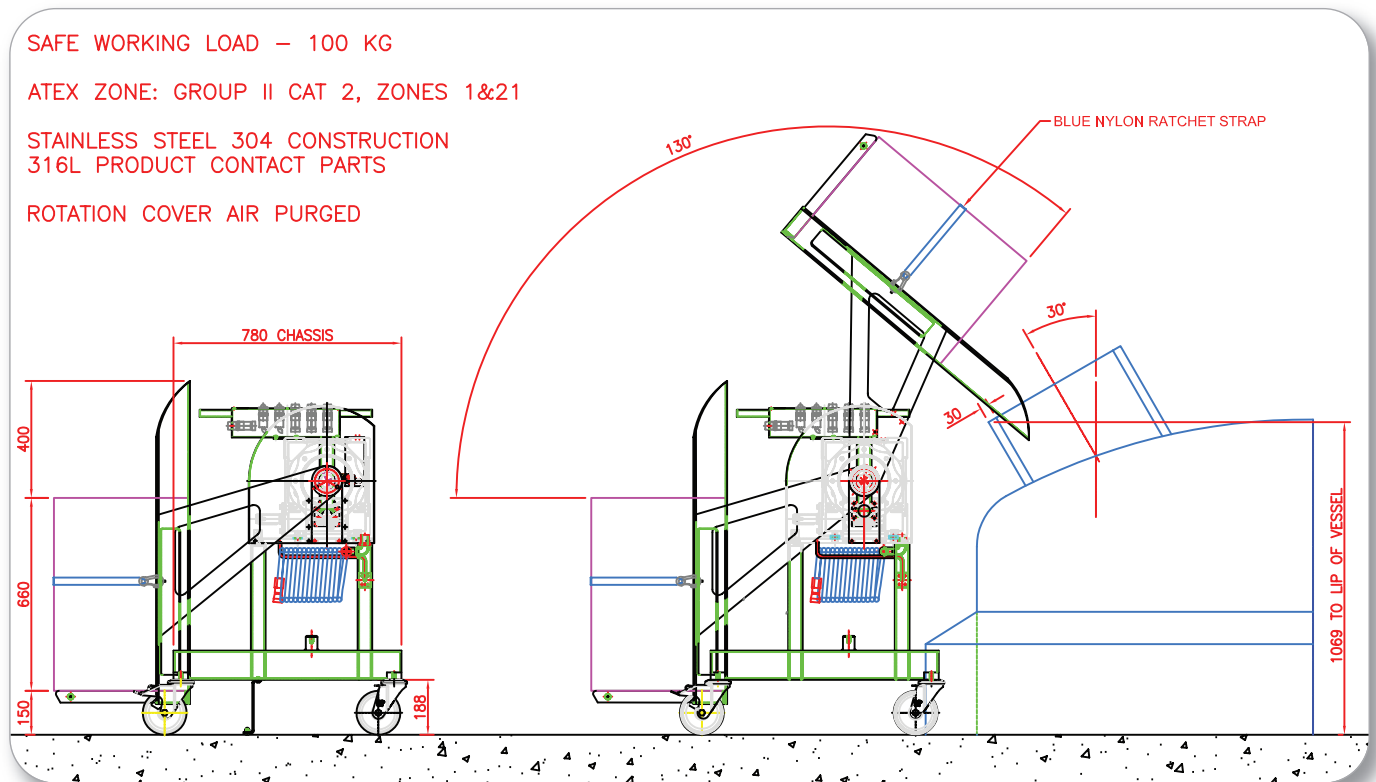
Benefits of the RotaSlit

- ∴ High levels of dust containment
- ∴ Improve overall process cleanliness
- ∴ Controlled material flow
- ∴ Increase operator performance and safety
- ∴ Hazardous zone options available
- ∴ Variable speed controls
- ∴ Customisation to suit varying customer specifications
- ∴ Versatility to handle a wide range of product types
- ∴ Single drive, low running cost option available
- ∴ Compact design fits areas with restricted space availability
- ∴ Simple design – no internal spikes or belts
- ∴ Easy access for cleandown and (minimal) maintenance procedures

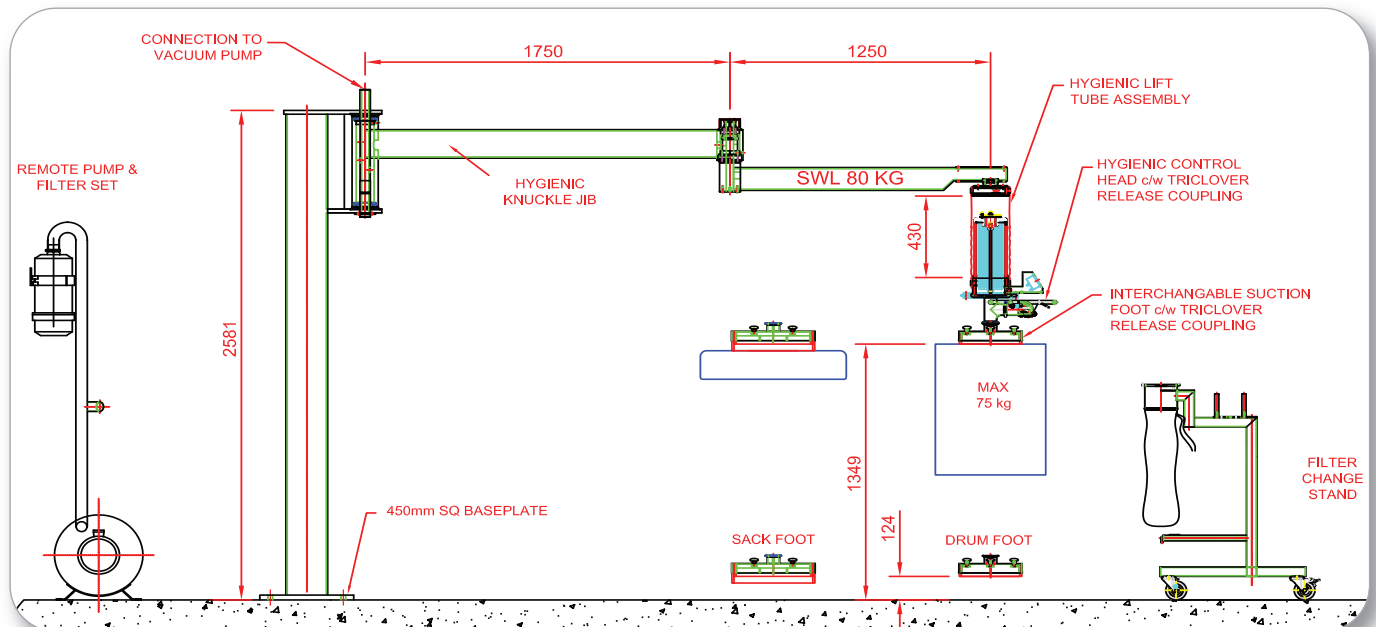


Lifting, Tipping, Conveying & Opening Systems

Typical GA Drawings



Mobile PharmaTip with extended cradle



PharmaVac Drum & Sack Lifter

- ❑ cGMP hygienic design, fully hand demountable system
- ❑ All metal components stainless steel 304, finish < 1.2 µm Ra

Scissors Tables & Lifts



Lifting & Handling Equipment

| | |
|----------------------------------|----|
| :: Scissors Tables - Static | 56 |
| :: Scissors Tables - Low Profile | 62 |
| :: Scissors Tables - Mobile | 64 |
| :: Lifting, Tipping & Conveying | 66 |
| :: Column & Goods Lifts | 67 |
| :: Pallet Levellers | 68 |

Scissors Tables - Static



Single Scissors Table

Model SST

Features

- ❖ Capacity 500 – 10,000 kg
- ❖ Lift height up to 6 m
- ❖ Smooth sheet metal tabletop
- ❖ Floor or pit mounted
- ❖ Operating voltage 400 V
- ❖ Safety contact rail to prevent trapping
- ❖ Hydraulic lifting mechanism
- ❖ Maintenance free roller bearings
- ❖ Dead man style push button control
- ❖ Stainless steel models
- ❖ ATEX certification
- ❖ Large range of options



Safety Contact Rail



Multiple accessories available

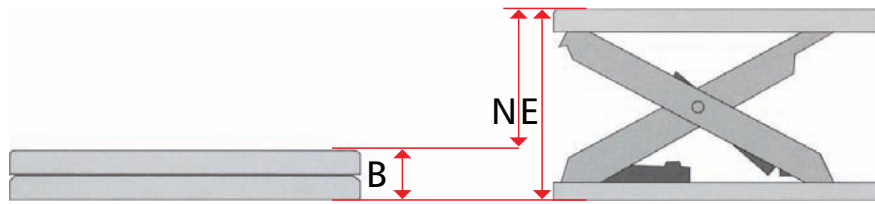


Stainless Steel Scissors Table



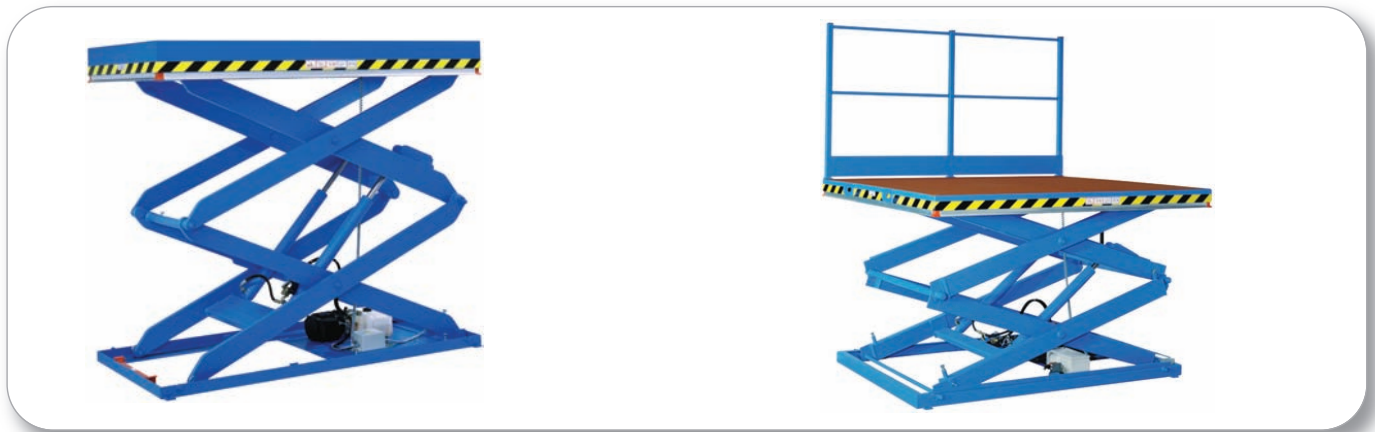
Tilt Option

Single Scissors Tables Specifications



| Capacity kg | Closed height (B) mm | Stroke (N) mm | Raised height (E) mm | Platform size mm | Sub-frame mm | Lifting time approx. sec. | Power kW | Weight approx. kg | Model |
|-------------|----------------------|---------------|----------------------|------------------|--------------|---------------------------|----------|-------------------|--------|
| 500 | 170 | 500 | 670 | 800 x 600 | 800 x 580 | 8 | 0.8 | 180 | SST 01 |
| 500 | 170 | 500 | 670 | 1000 x 600 | 800 x 580 | 8 | 0.8 | 190 | SST 02 |
| 500 | 170 | 500 | 670 | 1000 x 800 | 800 x 580 | 8 | 0.8 | 200 | SST 03 |
| 500 | 170 | 800 | 970 | 1250 x 800 | 1250 x 750 | 14 | 0.8 | 260 | SST 04 |
| 500 | 170 | 800 | 970 | 1250 x 1000 | 1250 x 750 | 14 | 0.8 | 270 | SST 05 |
| 500 | 170 | 800 | 970 | 1400 x 800 | 1250 x 750 | 14 | 0.8 | 270 | SST 06 |
| 500 | 170 | 800 | 970 | 1400 x 1000 | 1250 x 750 | 14 | 0.8 | 280 | SST 07 |
| 500 | 200 | 1000 | 1200 | 1500 x 1000 | 1500 x 750 | 16 | 1.1 | 320 | SST 08 |
| 500 | 200 | 1000 | 1200 | 1700 x 1000 | 1500 x 750 | 16 | 1.1 | 330 | SST 09 |
| 500 | 230 | 1300 | 1530 | 2000 x 1000 | 2000 x 900 | 22 | 1.1 | 450 | SST 10 |
| 500 | 230 | 1300 | 1530 | 2300 x 1250 | 2000 x 900 | 22 | 1.1 | 490 | SST 11 |
| 1000 | 180 | 800 | 980 | 1250 x 800 | 1250 x 750 | 17 | 1.1 | 270 | SST 12 |
| 1000 | 180 | 800 | 980 | 1250 x 1000 | 1250 x 750 | 17 | 1.1 | 280 | SST 13 |
| 1000 | 180 | 800 | 980 | 1400 x 1000 | 1250 x 750 | 17 | 1.1 | 290 | SST 14 |
| 1000 | 200 | 1000 | 1200 | 1500 x 800 | 1500 x 750 | 14 | 2.3 | 320 | SST 15 |
| 1000 | 200 | 1000 | 1200 | 1500 x 1000 | 1500 x 750 | 14 | 2.3 | 330 | SST 16 |
| 1000 | 200 | 1000 | 1200 | 1700 x 1000 | 1500 x 750 | 14 | 2.3 | 340 | SST 17 |
| 1000 | 200 | 1300 | 1500 | 2000 x 1000 | 2000 x 900 | 18 | 2.3 | 460 | SST 18 |
| 1000 | 200 | 1300 | 1500 | 2300 x 1250 | 2000 x 900 | 18 | 2.3 | 500 | SST 19 |
| 1000 | 220 | 1600 | 1820 | 2500 x 1000 | 2500 x 900 | 30 | 2.3 | 670 | SST 20 |
| 1000 | 220 | 1600 | 1820 | 2500 x 1250 | 2500 x 900 | 30 | 2.3 | 700 | SST 21 |
| 1000 | 280 | 1600 | 1880 | 3000 x 2000 | 2500 x 1500 | 34 | 2.9 | 1150 | SST 22 |
| 2000 | 200 | 800 | 1000 | 1250 x 800 | 1250 x 750 | 17 | 2.3 | 300 | SST 23 |
| 2000 | 200 | 800 | 1000 | 1250 x 1000 | 1250 x 750 | 17 | 2.3 | 310 | SST 24 |
| 2000 | 200 | 800 | 1000 | 1400 x 1000 | 1250 x 750 | 17 | 2.3 | 320 | SST 25 |
| 2000 | 230 | 1000 | 1230 | 1500 x 800 | 1500 x 750 | 27 | 2.3 | 500 | SST 26 |
| 2000 | 230 | 1000 | 1230 | 1500 x 1000 | 1500 x 750 | 27 | 2.3 | 510 | SST 27 |
| 2000 | 230 | 1000 | 1230 | 1700 x 1000 | 1500 x 750 | 27 | 2.3 | 530 | SST 28 |
| 2000 | 280 | 1300 | 1580 | 2000 x 1000 | 2000 x 900 | 25 | 2.9 | 760 | SST 29 |
| 2000 | 280 | 1300 | 1580 | 2300 x 1250 | 2000 x 900 | 25 | 2.9 | 800 | SST 30 |
| 2000 | 350 | 1600 | 1950 | 2500 x 1600 | 2500 x 1500 | 34 | 2.9 | 1200 | SST 31 |
| 2000 | 350 | 1600 | 1950 | 3000 x 2000 | 2500 x 1500 | 34 | 2.9 | 1350 | SST 32 |
| 3000 | 280 | 800 | 1080 | 1250 x 1000 | 1250 x 750 | 24 | 2.3 | 560 | SST 33 |
| 3000 | 350 | 1600 | 1950 | 2500 x 1000 | 2500 x 900 | 34 | 2.9 | 970 | SST 34 |
| 4000 | 310 | 800 | 1110 | 1400 x 1000 | 1400 x 750 | 32 | 2.3 | 620 | SST 35 |
| 4000 | 350 | 1300 | 1650 | 2000 x 1250 | 2000 x 900 | 28 | 4.4 | 1000 | SST 36 |
| 5000 | 350 | 1000 | 1350 | 1700 x 1000 | 1600 x 1750 | 28 | 2.9 | 730 | SST 37 |
| 6000 | 410 | 1600 | 2010 | 2500 x 1000 | 2500 x 900 | 38 | 4.4 | 1450 | SST 38 |
| 8000 | 550 | 1600 | 2150 | 2500 x 1600 | 2500 x 1500 | 50 | 5.5 | 1800 | SST 39 |
| 10000 | 600 | 1600 | 2200 | 3000 x 2000 | 2500 x 1500 | 62 | 5.5 | 2100 | SST 40 |

Double Scissors Tables



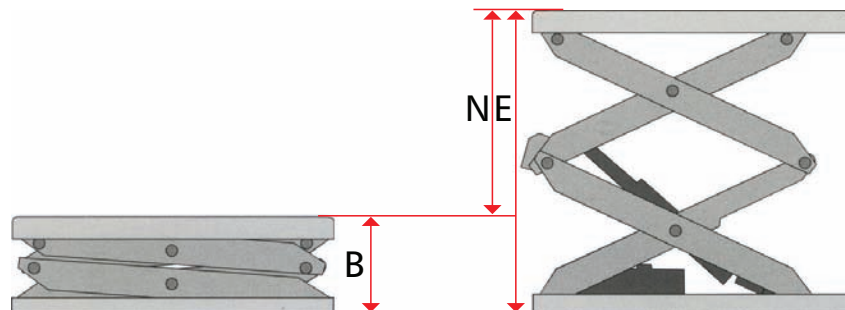
Double Scissors Table

Model DST

Double Scissors Table with railing

Features

- ⚡ Ideal for use where greater lifting heights and a compact footprint are required
- ⚡ Two scissor leg sets are stacked one on top of the other, this design provides approximately double the vertical lift of a single scissor table with the equivalent length frame
- ⚡ Capacity 1,000 – 5,000 kg
- ⚡ Stroke 1,600 – 2,600 mm
- ⚡ Lift height 1,950 – 3,100 mm
- ⚡ Non slip surface options
- ⚡ Tear plate surface
- ⚡ Railings and gates
- ⚡ Custom dimensions



| Capacity kg | Closed height (B) mm | Stroke (N) mm | Raised height (E) mm | Platform size mm | Sub-frame mm | Lifting time approx. sec. | Power kW | Weight approx. kg | Model |
|-------------|----------------------|---------------|----------------------|------------------|--------------|---------------------------|----------|-------------------|--------|
| 1000 | 350 | 1600 | 1950 | 1250 x 800 | 1250 x 750 | 21 | 2.3 | 460 | DST 01 |
| 1000 | 400 | 2000 | 2400 | 1500 x 800 | 1500 x 750 | 26 | 2.3 | 600 | DST 02 |
| 1000 | 450 | 2600 | 3050 | 2000 x 1000 | 2000 x 900 | 37 | 2.3 | 880 | DST 03 |
| 2000 | 400 | 1600 | 2000 | 1250 x 800 | 1250 x 750 | 30 | 2.9 | 600 | DST 04 |
| 2000 | 450 | 2000 | 2450 | 1500 x 800 | 1500 x 750 | 35 | 2.9 | 720 | DST 05 |
| 2000 | 500 | 2600 | 3100 | 2000 x 1000 | 2000 x 900 | 48 | 2.9 | 1000 | DST 06 |
| 3000 | 450 | 1600 | 2050 | 1250 x 800 | 1250 x 750 | 43 | 2.9 | 700 | DST 07 |
| 3000 | 500 | 1800 | 2300 | 1500 x 800 | 1500 x 750 | 50 | 2.9 | 840 | DST 08 |
| 3000 | 500 | 1800 | 2300 | 2000 x 1000 | 1500 x 750 | 50 | 2.9 | 1000 | DST 09 |
| 4000 | 500 | 1600 | 2100 | 1250 x 800 | 1250 x 750 | 40 | 4.4 | 1100 | DST 10 |
| 4000 | 550 | 1800 | 2350 | 2000 x 1000 | 1500 x 750 | 45 | 4.4 | 1300 | DST 11 |
| 5000 | 550 | 1600 | 2150 | 1400 x 800 | 1250 x 750 | 40 | 5.5 | 1200 | DST 12 |
| 5000 | 600 | 1800 | 2400 | 2000 x 1000 | 1500 x 750 | 45 | 5.5 | 1400 | DST 13 |

Double Scissors Tandem Tables



Tandem Scissors Table

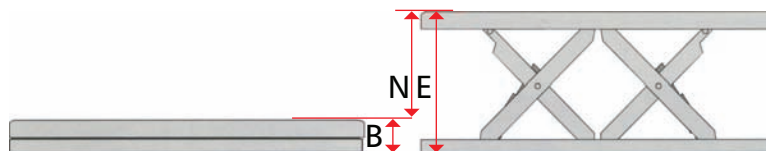
Model DSTT

Features

- ⌘ Tandem scissors tables are designed to lift, position and stabilise long loads such as sheets or pipes
- ⌘ Two scissors lift systems built into one frame assembly
- ⌘ Capacity 1,500 – 10,000 kg
- ⌘ Stroke 800 – 1,600 mm
- ⌘ Lift height 980 – 2,010 mm
- ⌘ Tear plate tabletop option
- ⌘ Bolt locking device option
- ⌘ Custom dimensions
- ⌘ Custom colours

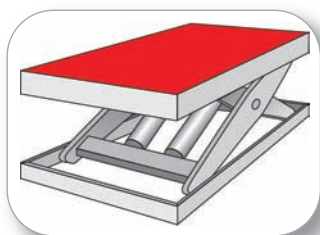


Bolt Locking Device

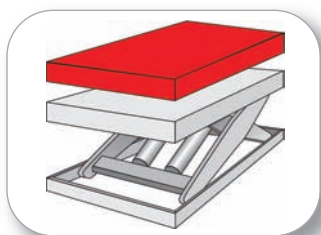


| Capacity kg | Closed height (B) mm | Stroke (N) mm | Raised height (E) mm | Platform size mm | Sub-frame mm | Lifting time approx. sec. | Power kW | Weight approx. kg | Model |
|-------------|----------------------|---------------|----------------------|------------------|--------------|---------------------------|----------|-------------------|---------|
| 1500 | 180 | 800 | 980 | 2500 x 800 | 2500 x 750 | 18 | 2.3 | 530 | DSTT 01 |
| 1500 | 200 | 1000 | 1200 | 3000 x 800 | 3000 x 750 | 28 | 2.3 | 630 | DSTT 02 |
| 1500 | 200 | 1300 | 1600 | 4000 x 1000 | 4000 x 900 | 36 | 2.3 | 910 | DSTT 03 |
| 1500 | 220 | 1600 | 1820 | 5000 x 1000 | 5000 x 900 | 40 | 2.9 | 1320 | DSTT 04 |
| 3000 | 200 | 800 | 1000 | 2500 x 800 | 2500 x 750 | 22 | 2.9 | 600 | DSTT 05 |
| 3000 | 230 | 1000 | 1230 | 3000 x 800 | 3000 x 750 | 35 | 2.9 | 950 | DSTT 06 |
| 3000 | 280 | 1300 | 1580 | 4000 x 1000 | 4000 x 900 | 38 | 4.4 | 1500 | DSTT 07 |
| 3000 | 300 | 1600 | 1900 | 5000 x 1000 | 5000 x 900 | 50 | 4.4 | 1700 | DSTT 08 |
| 4000 | 350 | 1600 | 1950 | 5000 x 1000 | 5000 x 900 | 50 | 4.4 | 1800 | DSTT 09 |
| 6000 | 350 | 1300 | 1650 | 4000 x 1000 | 4000 x 900 | 45 | 5.5 | 1700 | DSTT 10 |
| 8000 | 410 | 1600 | 2010 | 5000 x 1000 | 5000 x 900 | 61 | 5.5 | 1900 | DSTT 11 |
| 10000 | 450 | 1300 | 1750 | 4000 x 1000 | 4000 x 900 | 45 | 5.5 | 1800 | DSTT 12 |

Scissors Tables Options



Anti Slip Surface



Stainless Steel Tabletop

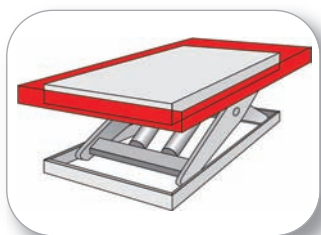
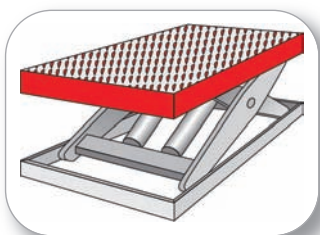
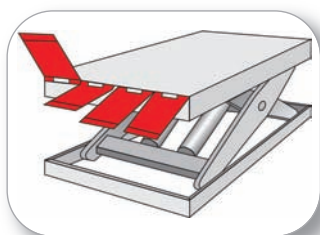


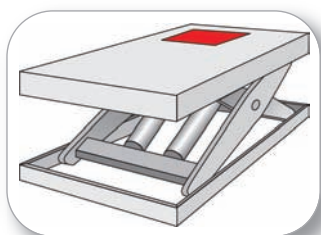
Table Extension
max. 15% of table size



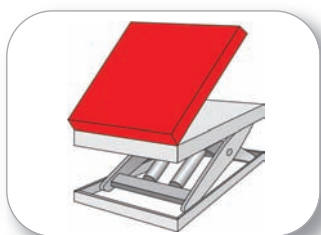
Tear Plate Tabletop



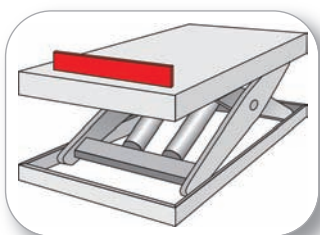
Loading Plates 410 mm max.



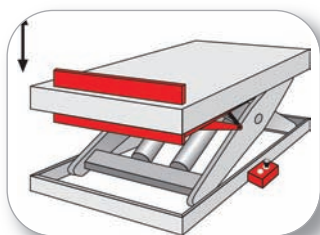
Service opening flap
for pit mounted tables



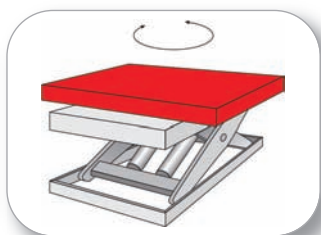
Tilting Platform



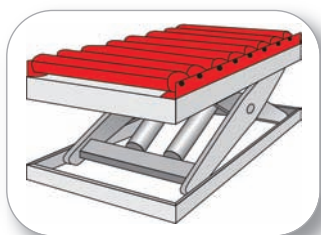
Fixed roll away protection,
height 100 mm



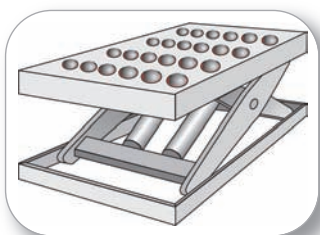
Retractable roll away
protection, 100 mm
clearance to the sub frame
required



Rotating Platform



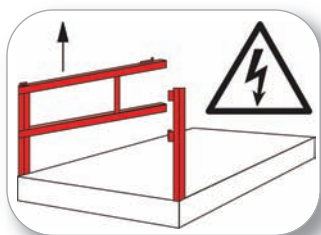
Roller Conveyor Platform



Ball Roller Platform



Full gate with mechanical
lock and interlock



Half gate with interlock



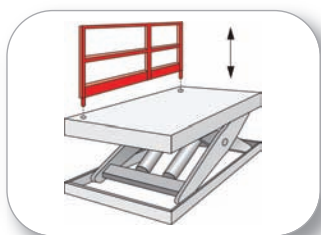
Push button control on the
railing



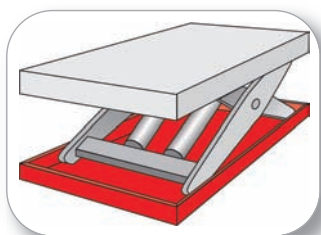
Sliding gate in the railing,
width 800 mm, table length
2m min. (door side)



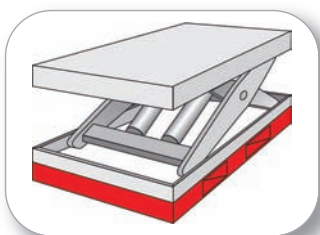
Fixed Railing



Removable Railing

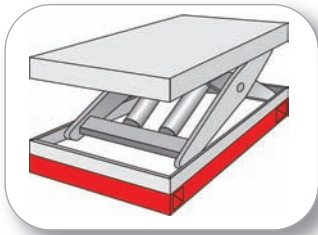


Overflow oil collection tray
construction height + 5 mm

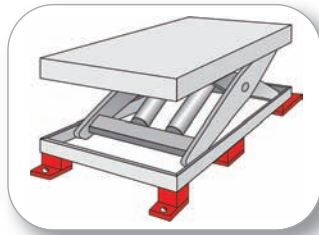


Forklift truck sub frame
200 mm openings
construction height + 100 mm

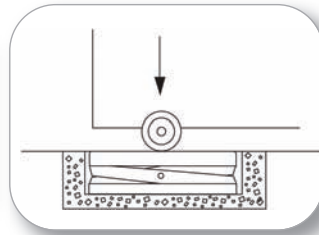
Scissors Tables & Lifts



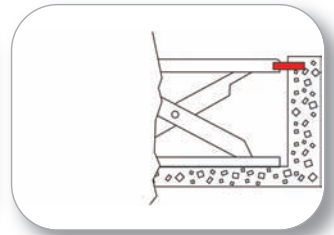
Self Supporting Sub Frame
construction height + 100 mm



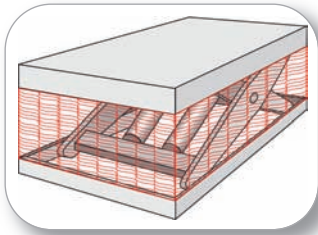
Base with legs
height 100 - 200 mm



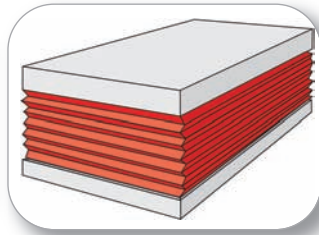
6 ton wheel load capacity
when lowered



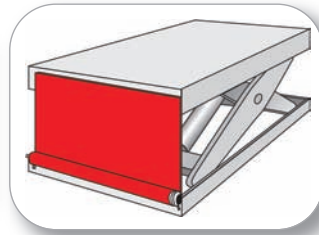
Tabletop secured in place via
4 bolts in pit, construction
height + 100 mm



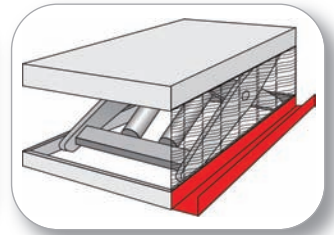
Wire mesh protective screen
100 mm clearance per side
required to sub frame



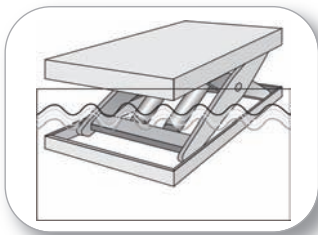
Protective bellows, 100 mm
clearance per side required
to sub frame



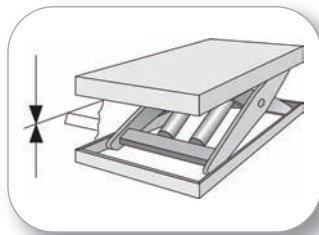
Protective blind, 100 mm
clearance per side required
to sub frame



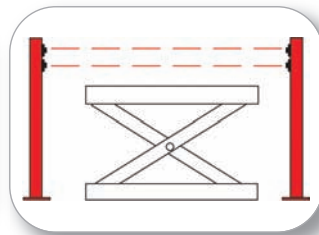
Steel trough for safety mesh



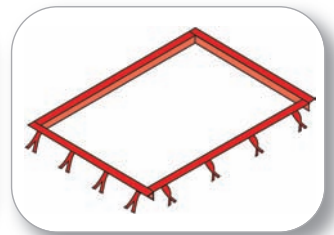
Galvanised or stainless steel
models



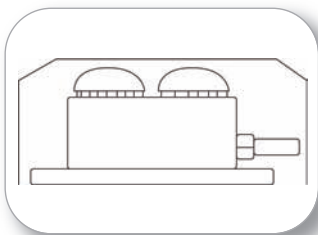
Intermediate stop during
lifting or lowering



Automatic laser control of
either up/down movement



Fitted frame for pit
installation



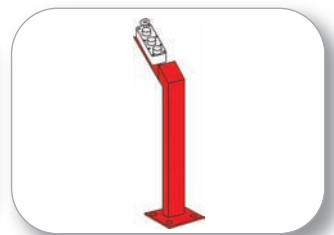
Foot Control



ATEX Rating Zone 1 & 2



Increased IP Protection Class



Control Column

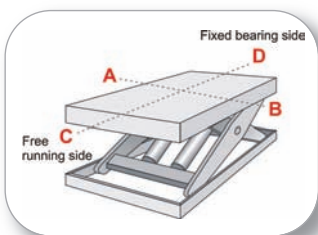
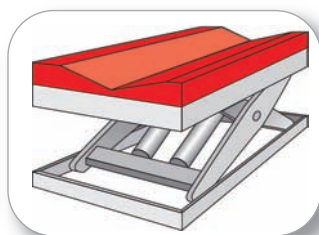
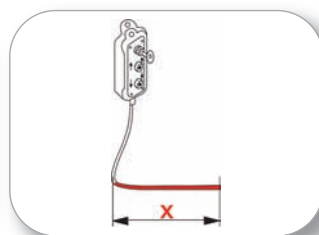


Table Side Definition



Reel Platform



Extended Control Cable



230 V

Scissors Tables - Low Profile

Features

- ⌘ Capacity 600 – 1,500 kg
- ⌘ Lift height of 750 or 860 mm
- ⌘ Closed height 80 mm
- ⌘ No need to install a pit
- ⌘ Easily loaded with a pallet truck
- ⌘ Push button control with 2.5 m cable
- ⌘ Dead man control style
- ⌘ Operating voltage 400 V
- ⌘ Manual emergency lowering
- ⌘ Safety contact rail
- ⌘ Control voltage 24 V
- ⌘ Unit coated with a polyurethane lacquer preventing rusting
- ⌘ High quality robust construction gives added strength
- ⌘ Stainless steel options
- ⌘ ATEX options



Full Platform Style - closed height 80 mm



Low Profile Platform Table with ramp



E-Shaped Style - no ramp required for Euro pallets



E-Shaped Scissors Table



Step 1 - Approach

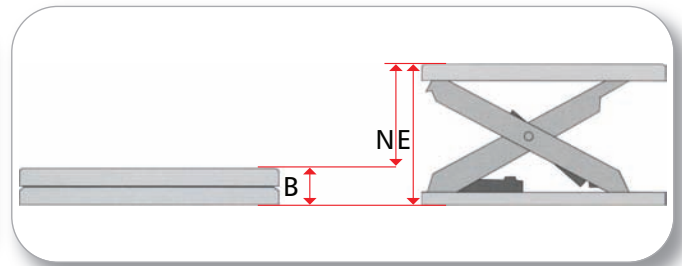


Step 2 - Load



Step 3 - Lift

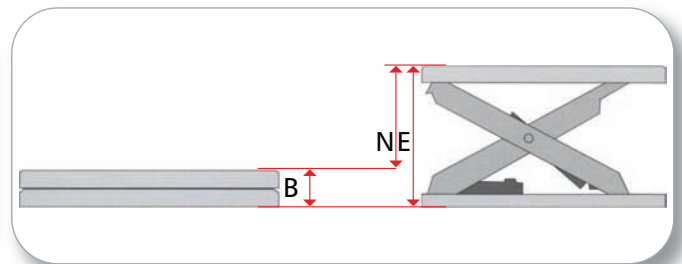
Low Profile E Shaped Scissors Table



Model LPE

| Capacity kg | Closed height (B) mm | Stroke (N) mm | Raised height (E) mm | Platform size mm | Lifting time approx. sec. | Power kW | Weight approx. kg | Model |
|-------------|----------------------|---------------|----------------------|------------------|---------------------------|----------|-------------------|--------|
| 600 | 80 | 670 | 750 | 1350 x 1150 | 16 | 0.35 | 200 | LPE 01 |
| 900 | 80 | 670 | 750 | 1350 x 1150 | 17 | 0.35 | 215 | LPE 02 |
| 1000 | 80 | 780 | 860 | 1400 x 1000 | 15 | 1.1 | 250 | LPE 03 |
| 1200 | 80 | 670 | 750 | 1350 x 1150 | 18 | 0.35 | 230 | LPE 04 |
| 1500 | 80 | 670 | 750 | 1350 x 1150 | 20 | 0.35 | 250 | LPE 05 |

Low Profile Platform Scissors Table



Model LPP

| Capacity kg | Closed height (B) mm | Stroke (N) mm | Raised height (E) mm | Platform size mm | Lifting time approx. sec. | Power kW | Weight approx. kg | Model |
|-------------|----------------------|---------------|----------------------|------------------|---------------------------|----------|-------------------|--------|
| 600 | 80 | 670 | 750 | 1400 x 900 | 16 | 0.35 | 200 | LPP 01 |
| 900 | 80 | 670 | 750 | 1400 x 900 | 17 | 0.35 | 215 | LPP 02 |
| 1000 | 80 | 780 | 860 | 1400 x 1000 | 15 | 1.1 | 250 | LPP 03 |
| 1200 | 80 | 670 | 750 | 1400 x 900 | 18 | 0.35 | 230 | LPP 04 |
| 1500 | 80 | 670 | 750 | 1400 x 1000 | 20 | 0.35 | 250 | LPP 05 |

Additional Options



Easy to transport using a jack



Additional foot protection contact strip on the scissor leg



Rotating Platform



Ground Panel



Tilting Platform

Scissors Tables - Mobile

- ⌘ Capacity 150 – 1,000 kg
- ⌘ Manual, battery or pneumatic powered lift options
- ⌘ Lift heights up to 2.9 m
- ⌘ Single, double or tandem scissors
- ⌘ Galvanised platform
- ⌘ Safety pipe break device
- ⌘ Folding steering handle
- ⌘ Eliminates awkward lifting
- ⌘ Easy to steer and move
- ⌘ Optional accessories including protective bellows, ball roller, stainless steel or swivel platforms
- ⌘ Full stainless steel models



Double Scissors



Tandem Scissors



Standard Single Scissors Mobile Table



Stainless Steel Mobile Table



Powered Lift & Drive

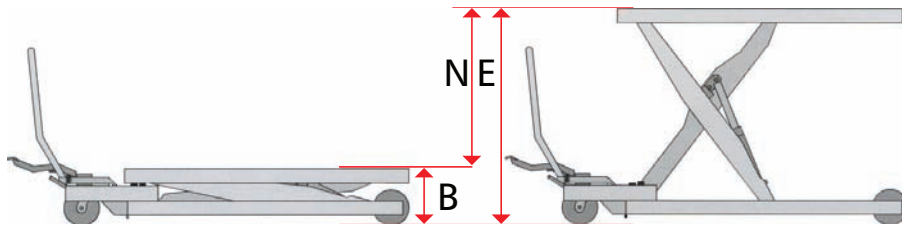


Powered Pneumatic Lift



Roller Conveyor Platform

Scissors Tables & Lifts



| Capacity kg | Closed height (B) mm | Stroke (N) mm | Raised height (E) mm | Platform size mm | Wheel material | Stroke per pedal step mm | Wheel diameter | Weight approx. kg | Model |
|-------------|----------------------|---------------|----------------------|------------------|---------------------|--------------------------|----------------|-------------------|--------|
| 150 | 255 | 525 | 780 | 450 x 990 | Rubber | 20 | 125 | 41 | MST 01 |
| 200 | 265 | 490 | 755 | 700 x 450 | Rubber | 20 | 100 | 44 | MST 02 |
| 300 | 330 | 580 | 910 | 852 x 502 | Rubber | 20 | 125 | 74 | MST 03 |
| 250 | 340 | 660 | 1000 | 700 x 600 | Rubber | 20 | 100 | 85 | MST 04 |
| 250 | 365 | 610 | 975 | 975 x 500 | Polyurethane/Rubber | 20 | 125/200 | 95 | MST 05 |
| 250 | 365 | 610 | 975 | 975 x 500 | Polyurethane | 20 | 125 | 95 | MST 06 |
| 250 | 460 | 610 | 1070 | 1190 x 740 | Rubber | 20 | 200 | 125 | MST 07 |
| 250 | 250 | 610 | 860 | 1190 x 740 | Elastic | 20 | 200 | 130 | MST 08 |
| 250 | 510 | 1290 | 1800 | 1190 x 740 | Rubber | 20 | 200 | 170 | MST 09 |
| 250 | 300 | 1290 | 1590 | 1190 x 740 | Elastic | 20 | 200 | 175 | MST 10 |
| 500 | 360 | 890 | 1250 | 760 x 760 | Polyamide | 12 | 100 | 150 | MST 11 |
| 500 | 460 | 610 | 1070 | 1190 x 740 | Rubber | 20 | 200 | 135 | MST 12 |
| 500 | 250 | 610 | 860 | 1190 x 740 | Elastic | 20 | 200 | 150 | MST 13 |
| 500 | 300 | 1290 | 1590 | 1190 x 740 | Elastic | 20 | 200 | 185 | MST 14 |
| 500 | 460 | 610 | 1070 | 2200 x 800 | Elastic | 10 | 200 | 260 | MST 15 |
| 500 | 365 | 610 | 975 | 975 x 500 | Polyurethane/Rubber | 20 | 125/200 | 95 | MST 16 |
| 500 | 365 | 610 | 975 | 975 x 500 | Polyurethane | 20 | 125 | 95 | MST 17 |
| 500 | 510 | 1290 | 1800 | 1190 x 740 | Rubber | 20 | 200 | 175 | MST 18 |
| 500 | 480 | 610 | 1090 | 1190 x 740 | Rubber | 20 | 200 | 145 | MST 19 |
| 500 | 280 | 920 | 1200 | 1600 x 800 | Polyurethane | 15 | 125 | 175 | MST 20 |
| 1000 | 470 | 920 | 1390 | 760 x 760 | Polyurethane | 9 | 200 | 155 | MST 21 |
| 1000 | 460 | 610 | 1070 | 1190 x 740 | Elastic | 12 | 200 | 145 | MST 22 |
| 1000 | 250 | 610 | 860 | 1190 x 740 | Elastic | 12 | 200 | 155 | MST 23 |
| 1000 | 520 | 1315 | 1835 | 1190 x 740 | Polyurethane | 9 | 200 | 190 | MST 24 |
| 1000 | 460 | 610 | 1070 | 2200 x 800 | Elastic | 10 | 200 | 280 | MST 25 |
| 1000 | 520 | 880 | 1400 | 1600 x 900 | Elastic | 12 | 200 | 260 | MST 26 |
| 1000 | 320 | 880 | 1200 | 1600 x 900 | Elastic | 12 | 200 | 280 | MST 27 |



Tear Plate Platform



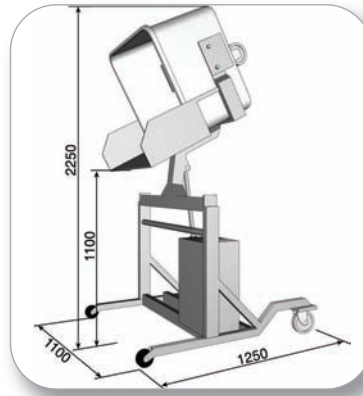
Powered High Lift Table



Stainless Steel Platform

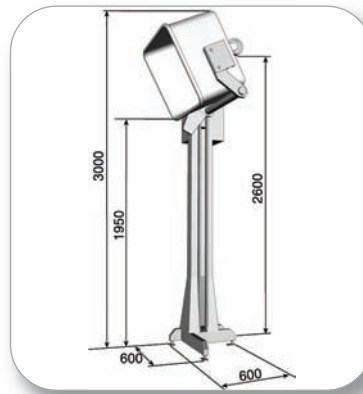
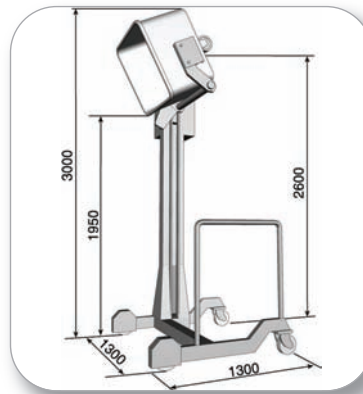
Mobile Tipper

- :: Lift and tip standard 200 litre buggy
- :: Max. lifting capacity 250 kg incl. container
- :: Electric push buttons for up/down control
- :: Tipping action is electro-hydraulically driven
- :: Discharge time: 13 sec.
- :: Motor .75 Kw
- :: Lifting brackets are height adjustable
- :: Stainless steel 304 construction
- :: Braked castors
- :: Weight 100 kg
- :: ATEX models



Mobile & Fixed Lift & Tip

- :: Lift and tip standard 200 litre buggy
- :: Max. lifting capacity 250 kg incl. container
- :: Lifting speed 5 – 7 m/min
- :: Mobile single column lift
- :: Additional chain safety device
- :: Push button control with emergency stop
- :: Motor 1.1 Kw
- :: Stainless steel 304 construction
- :: Braked castors on mobile model
- :: Weight 200 kg
- :: ATEX models
- :: 4 x adjustable feet on fixed models
- :: Full safety cage and gate options
- :: Custom heights to suit application requirements
- :: Platform options available



Conveyor Options

- :: Mobile or fixed
- :: Height and incline are adjustable
- :: Electric drive belt or gravity roller
- :: Stainless 304 or 316 options
- :: Anti static rollers
- :: Galvanised, PVC or stainless steel rollers
- :: Variable speed range
- :: 10 – 275 kg load in standard range
- :: Speed from 3.5 to 100 m/min



Goods & Column Lifts

Column Lifts

- ⌘ Capacity up to 3,000 kg
- ⌘ Height of lift up to 5 m
- ⌘ Platform length up to 3 m
- ⌘ Safety contact rail under platform
- ⌘ Push button dead man style control
- ⌘ Smooth sheet metal platform
- ⌘ Travel limit switches
- ⌘ Maintenance free roller bearings
- ⌘ Electro hydraulic power

| | Minimum | Maximum |
|--------------------|---------|---------|
| Capacity kg | 300 | 3000 |
| Lift height mm | 500 | 5000 |
| Platform length mm | 500 | 2000 |
| Platform width mm | 500 | 2000 |

Options

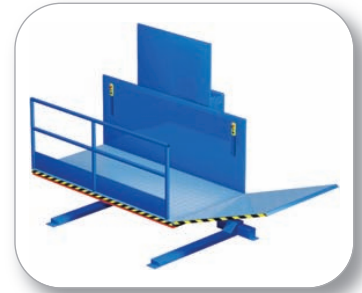
- ⌘ Railings/gates/ramps
- ⌘ Contact strips for foot protection
- ⌘ Customised designs
- ⌘ Tear plate, anti slip or roller platform
- ⌘ Single mast column lifts
- ⌘ Manual and electric winch raise/lower options
- ⌘ Slewing with manual or powered options

Goods Lift

- ⌘ Capacity 100 – 500 kg
- ⌘ Lift Height 50 mm / 3,000 mm
- ⌘ Safety cage with electrical interlocked gates
- ⌘ Push button control with emergency stop
- ⌘ Lifting speed of 6 m/min.
- ⌘ Power supply 400 V, 3 Ph
- ⌘ Loaded by means of manual pallet truck or fork lift truck
- ⌘ Can be manufactured to suit pallets, drums and small containers
- ⌘ ATEX models
- ⌘ Mild or stainless steel



Column Lift



Column Lift



Column Lift



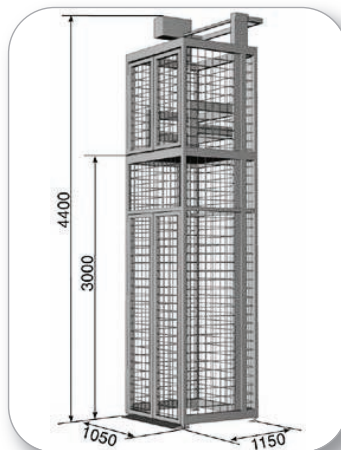
Trolley Lift - Stainless Steel



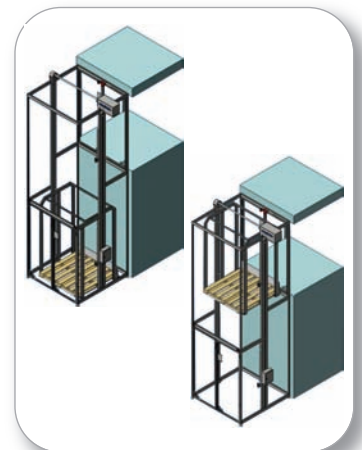
Slewing Base



Single Mast



Goods Lift



Pallet Levellers

Features

- ❑ Pallet levellers are ideal for palletising/de-palletising small boxes
- ❑ Capacity 200 – 2,000 kg
- ❑ Minimum height 240 mm
- ❑ Maximum height 710 mm
- ❑ Stroke 470 mm
- ❑ Turntable diameter 1,110 mm
- ❑ Width 1,110 mm
- ❑ Length 1,150 mm
- ❑ Weight 160 kg
- ❑ Spring loaded or pneumatic option
- ❑ No floor fixings required
- ❑ Moveable via fork lift truck
- ❑ Heavy-duty springs calibrated to bring pallet to convenient loading and unloading height.
- ❑ Fork pockets for relocation by fork truck
- ❑ Extended base for free standing stability.
- ❑ Rugged tubular steel frame
- ❑ Proven linkage design maintains level under uneven loading.
- ❑ Damper provides smooth, gradual raising and lowering action, without overshoot or spring bounce.
- ❑ Maintains pallet load at a comfortable working height
- ❑ Simple, robust and cost effective

Options

- ❑ Filled in platform
- ❑ Modified platform
- ❑ Levelling feet
- ❑ Protective bellows
- ❑ Damper unit
- ❑ Custom models available
- ❑ Galvanised models
- ❑ Stainless steel models
- ❑ ATEX certification



Spring loaded model



Pneumatic model



Galvanised and stainless steel models



Turntable



Bellows Protection

Trolleys & Trucks



Lifting & Handling Equipment

| | |
|--------------------------------------|----|
| :: Newton Trolleys | 70 |
| :: Aluminium Trucks | 74 |
| :: Stainless Steel Trucks & Trolleys | 76 |
| :: Drum Transporters | 82 |
| :: Stair Climbers | 84 |
| :: Ladders & Personnel Lifts | 85 |
| :: Material Lifts | 87 |
| :: Tow Trucks | 88 |

Newton Trolleys



Newton 150 with reel boom



Newton 150 with reel core grip and rotate



Newton 150 with standard platform

Features

- ⌘ Capacities from 50 – 250 kg
- ⌘ Constructed in aluminium, steel and hardened plastic
- ⌘ Highly manoeuvrable and light weight
- ⌘ Battery powered electric lift
- ⌘ Adjustable speed control
- ⌘ Soft start electrics for excellent precise lifting control
- ⌘ Quick release fittings as standard
- ⌘ Maintenance free batteries
- ⌘ Battery condition indicator on all Newton models
- ⌘ Compact footprint
- ⌘ Two rear lockable castors
- ⌘ Legs designed to fit under Euro pallet
- ⌘ Automatic "turn off" after 30 idle minutes, saves battery
- ⌘ 3 year warranty
- ⌘ Large standard range of accessories available
- ⌘ Custom solutions available
- ⌘ Ingress protection IP 41 std.

Shipping single orders ex factory, for standard units in 24 hours



Newton 150 with standard platform

Newton 50

- ⌘ Capacity 50 kg
- ⌘ L x W x H – 754 x 480 x 1,670 mm
- ⌘ Min. lift height 110 mm
- ⌘ Max. lift height 1,450 mm
- ⌘ Platform (L x W) 460 x 485 mm
- ⌘ Leg (W x H) 40 x 95 mm
- ⌘ Lift speed 120 mm/sec
- ⌘ Battery 2 x 7.5 Ah, 12V
- ⌘ Wheel sizes Ø60 front, Ø125 rear/braked (mm)
- ⌘ Unladen weight 45 kg



Newton 70

- ⌘ Capacity 70 kg
- ⌘ L x W x H – 875 x 525 x 1,870 / 2,070 mm
- ⌘ Min. lift height 140 mm
- ⌘ Max. lift height 1,535/1,735 mm
- ⌘ Platform (L x W) 460 x 485 mm
- ⌘ Leg (W x H) 40 x 95 mm
- ⌘ Lift speed 120 mm/sec
- ⌘ Battery 2 x 7.5 Ah, 12 V
- ⌘ Wheel sizes Ø60 front, Ø125 rear/braked (mm)
- ⌘ Unladen weight 50 kg



Newton 100

- ⌘ Capacity 100 kg
- ⌘ L x W x H – 875 x 525 x 1,870 / 2,070 / 2,370 mm
- ⌘ Min. lift height 140 mm
- ⌘ Max. lift height 1535 / 1735 / 2035 mm
- ⌘ Platform (L x W) 460 x 485 mm
- ⌘ Leg (W x H) 40 x 95 mm
- ⌘ Lift speed 115 mm/sec
- ⌘ Battery 2 x 7.5Ah, 12V
- ⌘ Wheel sizes Ø80 front, Ø100 rear/braked (mm)
- ⌘ Unladen weight 60 kg



Newton 150

- ⌘ Capacity 150 kg
- ⌘ L x W x H – 875 x 525 x 1,870 / 2,070 / 2,370 mm
- ⌘ Min. lift height 140 mm
- ⌘ Max. lift height 1535 / 1735 / 2035 mm
- ⌘ Platform (L x W) 460 x 485 mm
- ⌘ Leg (W x H) 40 x 95 mm
- ⌘ Lift speed 85 mm/sec
- ⌘ Battery 2 x 7.5 Ah, 12 V
- ⌘ Wheel sizes Ø80 front, Ø100 rear/braked (mm)
- ⌘ Unladen weight 60 kg



Newton 250

- ⌘ Capacity 250 kg
- ⌘ L x W x H – 1,102 x 622 x 1,975 / 2,175 mm
- ⌘ Min. lift height 150 mm
- ⌘ Max. lift height 1,535/1,735 mm
- ⌘ Platform (L x W) 500 x 600 mm
- ⌘ Leg (W x H) 75 x 95 mm
- ⌘ Lift speed 85 mm/sec
- ⌘ Battery 2 x 17 Ah, 12 V
- ⌘ Wheel sizes Ø75 front, Ø160 rear/braked (mm)
- ⌘ Unladen weight 70 kg



Newton Trolley - Standard Accessories



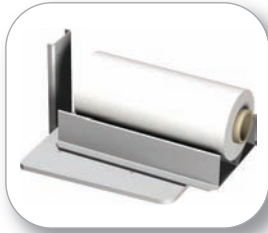
Reel Forks

- ❑ Fork length 500 mm
- ❑ Total length 545 mm
- ❑ Total width 288 mm
- ❑ Fork width 48 mm



Box Forks

- ❑ Fork length 500 mm
- ❑ Total length 545 mm
- ❑ Total width 355 mm
- ❑ Fork width 30 mm



Turnable Cradle for Reels.

The rotation can be locked at 0° and 90° by a security pin.

- ❑ Cradle length 500 mm
- ❑ Max dia. of reels 250 mm
- ❑ Rotation 360°



Reel Boom

- ❑ Capacity 100 kg
- ❑ Length 530 mm
- ❑ Diameter 50 mm



Manually Operated Reel Turner

- ❑ Capacity 80 kg
- ❑ Core diameter 70 or 76 mm
- ❑ Roll length 300 – 500 mm
- ❑ Rotation 360°



Heavy duty manually operated reel turner

- ❑ Capacity 200 kg
- ❑ Length max. 770 mm
- ❑ Diameter max. 650 mm
- ❑ Core dia. 76 mm



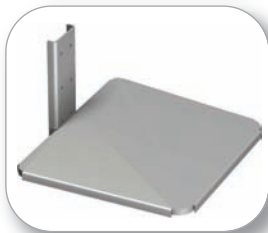
Powered grip and rotate unit for drums, reels & cylinders

- ❑ Capacity 100 kg
- ❑ Max dia. 610 mm
- ❑ Min dia. 200 mm
- ❑ Rotation 360°



Manual rotation device for drums, reels and cylinders

- ❑ Capacity 120 kg
- ❑ Max dia. of reels 610 mm
- ❑ Min dia. of reels 200 mm
- ❑ Rotation 360°



Stainless steel platform cover

- ❑ Length 460 mm
- ❑ Width at base 520 mm
- ❑ Width at front 460 mm



Stainless steel forks and plastic lift up platform

- ❑ Platform length 460 mm
- ❑ Platform width 485 mm



Roller platform

- ❑ Capacity 100 kg
- ❑ Length 350 mm
- ❑ Width 400 mm
- ❑ Plastic rollers



Cut out platform designed to carry 20L milk cartons

- ❑ Platform length 460 mm
- ❑ Platform width 485 mm



Bowl tipper

- ❑ Ideal for bakeries or kitchens
- ❑ Width 600 mm
- ❑ Length 530 mm



A crane arm for easy lifting from a pallet or the floor

- ❑ Capacity 70 kg
- ❑ Length 400 mm
- ❑ Width 50 mm

Custom sizes available for all accessories upon request.

Typical Applications



Custom Forks



V Cradle Reel Shaft Forks



Standard Platform



Powered Drum Grip & Pour



100 kg Drum Grip & Pour



Custom Platform



Reel Core Grip & Rotate - Horizontal



Reel Core Grip & Rotate - Vertical



Reel Forks & Custom Handles

Aluminium Trucks

AL Range

- ❑ Capacity 300 – 1,000 kg
- ❑ Lift height 1,100/1,600 mm
- ❑ Battery electric or manual lift
- ❑ Light aluminium frame
- ❑ Lift speed 70 mm per second
- ❑ Anodised finish – suitable for use in clean environments
- ❑ High visibility – single, narrow mast
- ❑ Lightweight – easy to push and manoeuvre
- ❑ High tenacity lifting belt, non corrosive and very strong
- ❑ Adjustable forks and legs
- ❑ Battery and internal charger included
- ❑ Standard or wide straddle leg options
- ❑ Wide range of standard attachments available
- ❑ Up to 30% lighter than standard mild steel stackers



Battery Lift



Pallet Lift



Manual Lift Model



Wide Straddle Legs



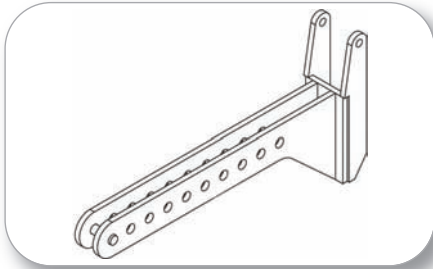
Fixed Forks



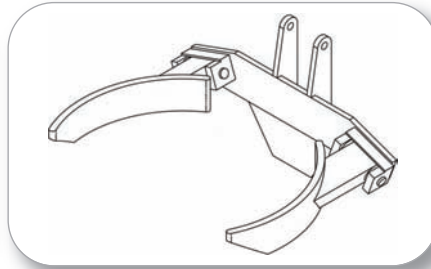
Reel lifting and pushing attachment



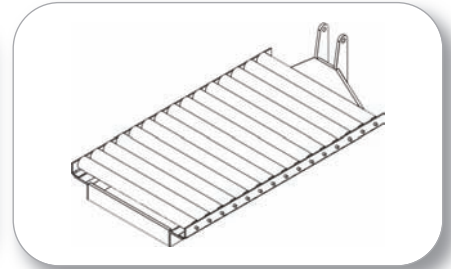
260 kg Capacity Tray Lifter



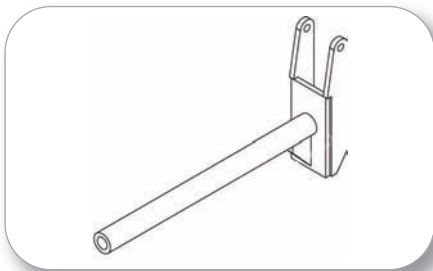
Welded Jib



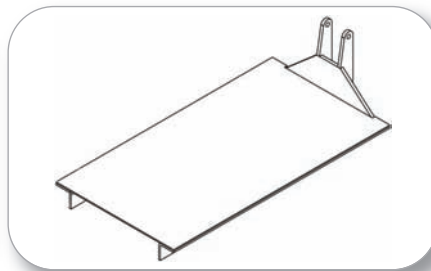
Drum Forks



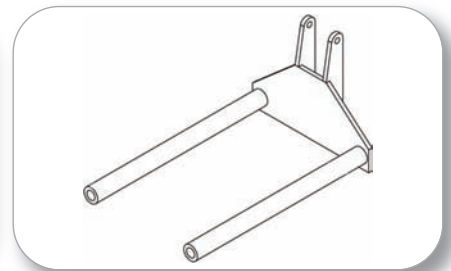
Roller Platform



Boom Assembly



Platform



Reel Lifter

Standard Models

| Capacity kg | Lifting | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Fork length x width mm | Forks spread min. – max. mm | Net weight kg | Model |
|-------------|----------|----------------|----------------|------------------|-------------------|-----------|----------|------------------------|-----------------------------|---------------|-------------|
| 300 | Manual | 1100 | 275 | 1620 | 1480 | 1280 | 730 | 550 x 120 | 320 – 650 | 142 | TTARM300 |
| 300 | Manual | 1600 | 275 | 2120 | 1980 | 1280 | 730 | 550 x 120 | 320 – 650 | 142 | TTARM300/1 |
| 500 | Manual | 1100 | 550 | 1620 | 1480 | 1910 | 730 | 1140 x 120 | 320 – 650 | 159 | TTARM500 |
| 500 | Electric | 1100 | 550 | 1620 | 1480 | 1930 | 730 | 1140 x 120 | 320 – 650 | 193 | TTARE500/1 |
| 500 | Manual | 1600 | 550 | 2120 | 1980 | 1910 | 730 | 1140 x 120 | 320 – 650 | 167 | TTARM500/2 |
| 500 | Electric | 1600 | 550 | 2120 | 1980 | 1930 | 730 | 1140 x 120 | 320 – 650 | 201 | TTARE500/3 |
| 750 | Manual | 1100 | 550 | 1620 | 1480 | 1950 | 930 | 1160 x 150 | 400 – 750 | 219 | TTARM750 |
| 750 | Electric | 1100 | 550 | 1620 | 1480 | 1970 | 930 | 1160 x 150 | 400 – 750 | 253 | TTARE750/1 |
| 750 | Manual | 1600 | 550 | 2120 | 1980 | 1950 | 930 | 1160 x 150 | 400 – 750 | 234 | TTARM750/2 |
| 750 | Electric | 1600 | 550 | 2120 | 1980 | 1970 | 930 | 1160 x 150 | 400 – 750 | 268 | TTARE750/3 |
| 1000 | Manual | 1100 | 550 | 1620 | 1480 | 1950 | 930 | 1160 x 150 | 400 – 750 | 219 | TTARM1000 |
| 1000 | Electric | 1100 | 550 | 1620 | 1480 | 1970 | 930 | 1160 x 150 | 400 – 750 | 253 | TTARE1000/1 |
| 1000 | Manual | 1600 | 550 | 2120 | 1980 | 1950 | 930 | 1160 x 150 | 400 – 750 | 234 | TTARM1000/2 |
| 1000 | Electric | 1600 | 550 | 2120 | 1980 | 1970 | 930 | 1160 x 150 | 400 – 750 | 268 | TTARE1000/3 |

Custom models available upon request

Stainless Steel Trucks

DS Range

- ⌘ 80, 160 and 300 kg models
- ⌘ Lift heights up to 3 m
- ⌘ Stainless steel 304
- ⌘ Manual push travel
- ⌘ Manual hand winch or battery powered lift
- ⌘ Easy to move
- ⌘ Fall arrest system
- ⌘ All surfaces hand brushed finish
- ⌘ White PVC bandage mast protection
- ⌘ Braked castors
- ⌘ ATEX certification
- ⌘ Pharma upgrade model
- ⌘ Large range of standard attachments available
- ⌘ Customised trolleys available on request



Drum Clamp & Rotation

DS 160



3 Sided Platform

DS 80

Standard Truck Dimensions

| Capacity kg | Length mm | Width mm | Height mm | Stroke mm | Weight kg | Model |
|-------------|-----------|----------|-----------|-----------|-----------|--------|
| 80 | 850 | 512 | 1970 | 1600 | 39 | DS 80 |
| 160 | 1000 | 732 | 1994 | 1600 | 69 | DS 160 |
| 300 | 1000 | 827 | 1994 | 1600 | 89 | DS 300 |

Custom trolleys available on request



Forks with safety lip

DS 80



Powered lift with IBC docking forks

DS 300



Reel Handling Forks

DS 160



Reel Handling Forks



Drum Clamp & Rotate



Pallet Lifter



Container Lift



Reel Clamp & Rotate



Powered Drive Clamp & Rotate



Standard Platform



Drum Lift & Forward Pour



Reel Forks/Cradle

TS150 & TS300 Stainless Steel Stackers

- ❑ Capacity 150 kg @ 600 mm
300 kg @ 500 mm
- ❑ Large batteries ensure plenty of power
- ❑ Height 2,000 mm
- ❑ Width 570 – 1,000 mm
- ❑ Programmable limits
- ❑ Stainless steel 304 construction
- ❑ Battery powered electric lift
- ❑ Ball screw lift mechanism
- ❑ Hand held controls on spiral cable for easy use
- ❑ Quick release lifting attachments
- ❑ Lift speed up to 52 mm/sec
- ❑ E-stop on / off control
- ❑ Legs 90 mm tall for pallet entry
- ❑ Sealed lead acid batteries, 20 Ah
- ❑ Standard IP 41 internal and IP 67 external
- ❑ Optional IP 66 enclosure upgrade
- ❑ Curtis instruments PLC with soft start drive
- ❑ Battery level indicator
- ❑ Inbuilt quick charger
- ❑ Low maintenance
- ❑ Custom designs available
- ❑ Large range of standard accessories



Powered Reel Gripping Clamp

TS 150



Reel Grip & Rotate



Powered Drum Grip



Custom Reel Shaft Forks



Reel Grip & Rotate



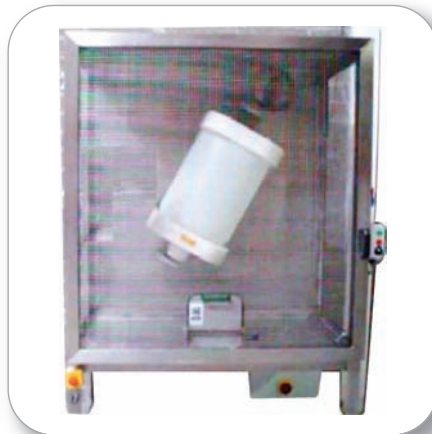
Reel Boom



Reel Grip & Rotate



Drum Agitator



Drum Agitator

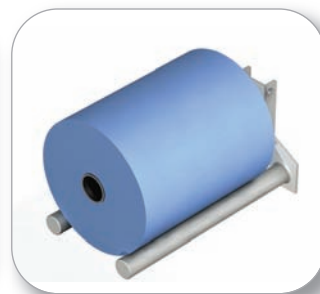
Accessories



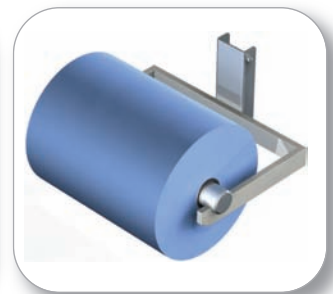
Reel Grip & Rotate Core Vertical



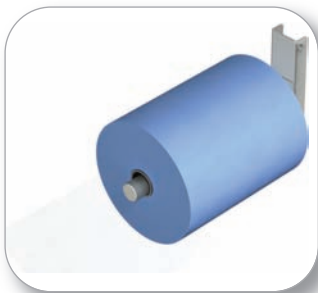
Reel Grip & Rotate Core Horizontal



Double Fork for Reels



Reel Shaft Forks



Single Boom for Reels



Swivel Reel Cradle



Crate Forks



Quick release mechanism

Stainless Steel Trolleys

Reflex Trolleys - Features

- ⌘ Stainless steel 304
- ⌘ 70 and 200 kg models
- ⌘ Battery powered electric lift
- ⌘ Highly manoeuvrable and light weight
- ⌘ Non marking wheels
- ⌘ Maintenance free batteries
- ⌘ Large standard range of accessories. Compatible with Newton Trolley accessories.
- ⌘ Custom solutions available
- ⌘ Ideal for pharmaceutical, chemical and food industries
- ⌘ Ingress protection IP 41
- ⌘ Lift speed 100 mm per sec

Reflex 70

- ⌘ Capacity 70 kg
- ⌘ Min. lift height 140 mm
- ⌘ Max. lift height 1,465/1,765 mm
- ⌘ Platform (L x W) 460 x 485 mm
- ⌘ L x W x H – 780 x 595 x 1,670/1,970 mm
- ⌘ Leg (W x H) 40 x 90 mm
- ⌘ Battery 2 x 7.5 Ah, 12 V
- ⌘ Wheel dia. 80 mm front, 100 mm rear/braked
- ⌘ Unladen weight 46 kg

Reflex 200

- ⌘ Capacity 200 kg
- ⌘ Min. lift height 100 mm
- ⌘ Max. lift height 1,500 mm
- ⌘ Fork (L x W) 540 x 525 mm
- ⌘ L x W x H – 1,015 x 520 x 1,840 mm
- ⌘ Leg (W x H) 45 x 90 mm
- ⌘ Battery 2 x 17Ah, 12 V
- ⌘ Wheel dia. 80 mm front, 125 mm rear/braked
- ⌘ Unladen weight 100 kg



Reflex 200



Reel Rotator



Reflex 200



Reel Cradle



Reflex 70



Standard Platform



Reflex 200 with Forks



Drum Grip & Rotate

Stainless Steel Trolleys - 304 or 316 Options / Pharma Finish Option

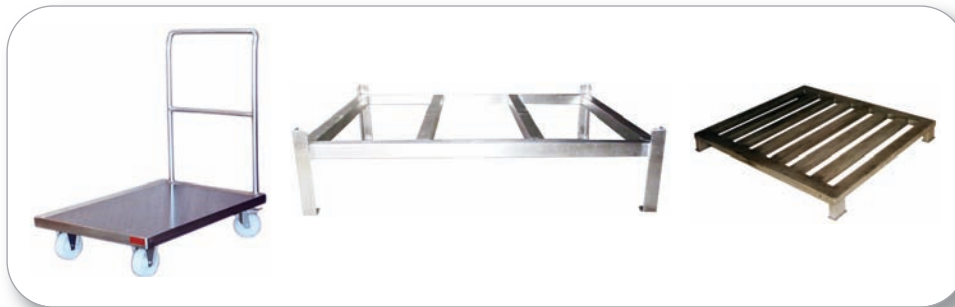
| Shelves | Dimensions L x W x H mm | Capacity kg per shelf | Model |
|---------|------------------------------|-----------------------|-------------|
| 2 | 910 x 580 x 960 | 100 | STDI 910/2 |
| 2 | 840 x 550 x 960 | 50 | STDI 840/2 |
| 2 | 1210 x 700 x 950 | 50 | STDI 1210/2 |
| 3 | 910 x 580 x 960 x 290 [GAP] | 100 | STDI 910/3 |
| 4 | 910 x 580 x 1300 x 310 [GAP] | 100 | STDI 910/4 |
| 5 | 910 x 580 x 1660 x 310 [GAP] | 80 | STDI 910/5 |
| 6 | 910 x 580 x 2020 x 310 [GAP] | 70 | STDI 910/6 |

Standard range – other dimensions available upon request



Typical Trolleys

Stainless Steel Range of Pallets & Trolleys



250 kg Trolley

Pallet Platform

Stainless Pallet



Stainless Drum & Reel Dollys

Sack Trucks

- :: 200 kg solid wheel sack truck
- :: 200 kg pneumatic wheel sack truck
- :: 200 kg dual footplate sack truck
- :: 300 kg heavy duty sack truck
- :: 300 kg 2 way sack/platform truck
- :: Stainless steel models



Sack Trucks



Stair Climber

Lightweight Aluminium Sack Trucks

- :: Capacity 100 kg
- :: Weight 20 kg
- :: Lift height of 800 or 1,000 mm
- :: Manual winch lift
- :: Removable legs and folding forks
- :: Full range of attachments available



Forks attachment



Vacuum suction



Reel attachment

Drum Transporters

Lift drums from the floor

- :: Capacity 250 kg
- :: Lift stroke 345 mm
- :: Pump stroke 22 mm per stroke
- :: Max. drum diameter 572 mm
- :: Max. drum height 915 mm
- :: L x W x H – 810 x 780 x 1,050 mm
- :: Weight 45 kg



DT 01

Lift drums from the corner of a pallet

- :: Capacity 400 kg
- :: Lift stroke 1,070 mm
- :: Pump stroke 12 mm per stroke
- :: Drum size 210 L
- :: L x H – 1,105 x 1,810 mm
- :: Adjustable leg width 720 – 1,390 mm
- :: Min./max. lift height 880/1,950 mm
- :: Weight 100 kg



DT 02

Lift drums from the middle or corner of a standard pallet

- :: Capacity 450 kg
- :: Lift stroke 500 mm
- :: Pump stroke 12 mm per stroke
- :: Drum size 210 L
- :: Max. drum diameter 572 mm
- :: L x W x H – 900 x 1,020 x 1,250 mm
- :: Min./max. lift height 880/1,380 mm
- :: Weight 165 kg



DT 03

Lift drums from the corner of a standard pallet

- :: Capacity 350 kg
- :: Lift stroke 370 mm
- :: Drum size 50 – 205 L
- :: L x W x H – 950 x 1,180 x 1,360 mm
- :: Manufactured in full stainless steel
- :: ATEX compliant option



DT 04



Front of Pallet



Middle of Pallet



Corner of Pallet

DT 03

Lift and tip drums

- :: Capacity 300 kg
- :: Lift stroke 1,400 mm
- :: Pump stroke 24 mm per stroke
- :: Drum type 200L steel or plastic
- :: Drum diameter 400 – 600 mm
- :: Weight 125 kg
- :: Hydraulic foot pump, electric or pneumatic



DT 06

Lifts a drum onto a bund

- :: Capacity 250 kg
- :: Lift stroke 450 mm
- :: Pump stroke 22 mm per stroke
- :: Drum type steel or plastic
- :: L x W x H – 1,000 x 600 x 1,800 mm
- :: Weight 200 kg
- :: Counterbalance style



DT 07

Lift drums from the floor

- :: Capacity 300 kg
- :: Lift stroke 550 mm
- :: Pump stroke 12 mm per stroke
- :: Drum size 200 L steel
- :: Hydraulic foot pump



DT 08

Lift, transport, rotate and drain fully loaded drums

- :: Capacity 364 kg
- :: Drum size 210 L
- :: Drum height 915 mm
- :: Drum diameter 572 mm
- :: Weight 50 kg



DT 09



Wide Straddle Drum Transporter
DT 11



Stainless Steel ATEX Drum Transporter
DT 12



Stainless Steel Drum Transporter
DT 13

Stair Climbers

SC Stair Climbers

- ⚡ Extremely light: weighs 16 kg plus 4 kg for the snap on battery
- ⚡ Very fast: up to 48 steps per minute
- ⚡ 2 speed operation: high/low
- ⚡ Intelligent power pack features step sensing and starts automatically (descend mode)
- ⚡ Toeplate hinged – fixed as an option
- ⚡ With sliding clutch and electronic overload protection
- ⚡ Handtruck and powered stair-climber combined in one machine
- ⚡ The best on winding stairs and narrow landings
- ⚡ Large comfortable pneumatic tyres ø260 x 85 mm
- ⚡ With a second battery or the mobile charger the stair climber can be operated all day long.
(The battery capacity depends on the load and battery condition – the average is 170 – 300 steps ascending. Descending at least double).



Electric Stair Climber
110 - 310 kg capacity



210 mm maximum
step height



Ideal for drums
& cylinders

| Capacity kg | Max. climbing speed | Weight kg – with/without snap on battery | Max. step height mm | SC Model |
|-------------|---------------------|--|---------------------|----------|
| 110 | 48 steps/min | 20/16 | 210 | SC 110 |
| 140 | 35 steps/min | 20/16 | 210 | SC 140 |
| 170 | 29 steps/min | 20/16 | 210 | SC 170 |
| 190 | 17 steps/min | 36/32 | 210 | SC 190 |
| 310 | 9 steps/min | 39/35 | 210 | SC 310 |

Track-O Stair Climbers

No motorised stair climbing hand truck or dolly is as safe and versatile as the Track-O. The Track-O allows you to virtually eliminate back injuries and accidents while moving heavy loads. Because the Track-O is operated by remote control the operator does not have to be anywhere near the load while it is moving. Therefore, there is absolutely no danger of a personal injury while the Track-O is carrying the load. The Track-O is the simple to operate, rugged, and versatile solution to moving heavy objects up and down stairs or outside on any type of terrain.



Rugged Performance



Suitable for outdoor
or indoor use



Remote Control
Stair Climber

| Capacity kg flat/incline | Max. climbing speed | Weight kg | Max. inclination | L x W x H mm | Linear speed m/min | Recharge time / run time | Battery | Track qty. | Wired remote | Model |
|--------------------------|---------------------|-----------|------------------|------------------|--------------------|--------------------------|-----------------|------------|--------------|-------|
| 680/500 | 48 steps/min | 216 | 40° | 1905 x 711 x 305 | 6.7 | 6 hrs / 3 hrs | 85 A / 24 V | 1 | included | TO 75 |
| 1000/272 | 35 steps/min | 263 | 40° | 1194 x 743 x 343 | 13.4 | 6 hrs / 3 hrs | 85 A x 2 / 24 V | 2 | included | TO 47 |
| 1000/500 | 29 steps/min | 286 | 40° | 1676 x 749 x 343 | 13.4 | 6 hrs / 3 hrs | 85 A x 2 / 24 V | 2 | included | TO 66 |

Ladders & Personnel Lifts



Tilt- n-Tow Ladder

- ❑ Platform height 860 – 1,725 mm
- ❑ Platform capacity 150 kg



Mobile Platform Ladder

- ❑ Platform height 860 – 4,015 mm



Step Through Ladder

- ❑ Platform height 860 – 2,865 mm



Order Picker

- ❑ Platform capacity 150 kg
- ❑ Tray capacity 50 kg
- ❑ Lift height 1,800 or 2,400 mm



Ladder complete with Winch Tray

- ❑ Platform height 1,145 – 4,015 mm
- ❑ Winch capacity 60 kg



Safety Bar Platform Ladder

- ❑ Platform height 1,145 – 4,015 mm



Warehouse Steps

- ❑ Platform height 720 – 3,440 mm

Personnel Lifts

Personnel Lifts

- ⌘ Capacity 140 kg
- ⌘ Working height up to 12 m
- ⌘ Platform height up to 10 m
- ⌘ Overall height 1,980 mm
- ⌘ Overall width 770 mm
- ⌘ Hand or foot control unit
- ⌘ Manufactured in aluminium with galvanised chassis
- ⌘ Ideal for repair, maintenance or installation work
- ⌘ Quick and easy assembly
- ⌘ Compact lightweight design
- ⌘ Fits through a standard door
- ⌘ Use indoors or outdoors
- ⌘ Battery lift option available



| Model | HC650 | HC800 | HC940 | HC1100 | HC1200 |
|-----------------------------|--------|--------|--------|--------|--------|
| Working height mm | 6500 | 8000 | 9450 | 10850 | 12000 |
| Platform height mm | 4500 | 6000 | 7450 | 8850 | 10000 |
| Load capacity kg | 140 | 140 | 140 | 140 | 135 |
| Height mm | 1980 | 1980 | 1980 | 1980 | 1980 |
| Width mm | 770 | 770 | 770 | 770 | 770 |
| Length mm | 1260 | 1320 | 1380 | 1440 | 1440 |
| Wall distance mm | 90 | 100 | 90 | 210 | 340 |
| Extension speed | 28 sec | 26 sec | 21 sec | 26 sec | 26 sec |
| Weight kg (without ballast) | 250 | 280 | 300 | 330 | 345 |



Material Lifts

Material Lifts

- ⌘ Capacity up to 500 kg
- ⌘ Working height up to 7.4 m
- ⌘ Ideal for repair, maintenance or installation work
- ⌘ Manufactured in aluminium with galvanised chassis
- ⌘ One person operation
- ⌘ Quick and simple assembly
- ⌘ Compact lightweight design
- ⌘ Easy to transport and use
- ⌘ Strong lift performance
- ⌘ Battery and mains powered lift options available



| Model | MC380 | MC620 | M575 | M750 | MX500 |
|------------------------------------|-------|-------|------|------|-------|
| Lift height mm – load fork above | 3920 | 6200 | 5700 | 7400 | 4800 |
| Lift height mm – load fork below | 3530 | 5800 | 5300 | 7000 | 4300 |
| Capacity kg | 250 | 250 | 300 | 300 | 500 |
| Length mm – load fork | 650 | 650 | 650 | 650 | 650 |
| Width mm – load fork | 560 | 560 | 560 | 560 | 560 |
| Chassis length mm | 1450 | 1720 | 1780 | 2000 | 1600 |
| Chassis width mm | 760 | 760 | 760 | 760 | 760 |
| Chassis width mm (inc. outriggers) | 1820 | 1420 | 1800 | 1800 | 1900 |
| Mast height mm | 1600 | 1600 | 2200 | 2200 | 1900 |
| Weight kg – without outrigger | 110 | 153 | 158 | 178 | 199 |



Fork Extensions



Hook Attachment

Tow Trucks

Push/Pull Trucks

- :: Capacity of standard range 100 to 10,000 kg
- :: Pulling, pushing, towing options
- :: Quick and easy transport of loads
- :: Highly manoeuvrable
- :: Battery powered
- :: Electronic speed control
- :: Maintenance free batteries
- :: Pneumatic rubber tyres
- :: External battery charger
- :: Low battery indicator
- :: Curtis controller



4,000 - 20,000 kg Push/Pull Truck



2,500 kg Tow Tractor

Platform Trucks



400 kg Platform Truck



750 kg Platform Truck



1,000 kg Platform Truck with cage

Ride on & Pedestrian Models



Heavy Duty Transporter with Lift 2,000 - 8,000 kg



150 - 2,000 kg Ride on Towing Vehicle

Pallet Stackers & Trucks



Lifting & Handling Equipment

| | |
|-------------------------------|-----|
| :: Pallet Stackers | 90 |
| :: Pallet Trucks | 95 |
| :: Workshop Cranes | 99 |
| :: Skates | 101 |
| :: Forklift Truck Attachments | 102 |

Pallet Stackers

Manual Winch Stacker

- ⌘ Capacity 500 kg
- ⌘ Manual travel and lift via hand winch
- ⌘ Safe and easy lifting
- ⌘ Heavy duty C section mast
- ⌘ Standard fork length 1,000 mm
- ⌘ Adjustable fork width
- ⌘ Wheel guards
- ⌘ Parking brakes on steering wheels
- ⌘ Suitable for Euro pallets
- ⌘ Small footprint

Options

- ⌘ 150 kg light duty tip back model
- ⌘ Custom fork attachments
- ⌘ Steel platform option
- ⌘ Crane jib attachment
- ⌘ Roller conveyor instead of forks
- ⌘ Stainless steel range



Manual Winch Stackers

MWSLI 500

| Capacity kg | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Forks lowered mm | Forks spread mm | Net weight kg | Model |
|-------------|----------------|----------------|------------------|-------------------|-----------|----------|------------------|-----------------|---------------|-----------|
| 500 | 1560 | 500 | 2030 | 2030 | 1680 | 750 | 90 | 160 – 690 | 180 | MWSLI 500 |
| 150 | 1500 | 305 | 1925 | 1925 | 975 | 610 | 90 | 100 – 600 x 510 | 83 | MWSAD 150 |

Alternative models available upon request

Manual Hand Stacker

- ⌘ Capacity 1,000 kg
- ⌘ Manual push travel / pulling handle
- ⌘ Hand hydraulic lift / pump handle operated lift
- ⌘ Light and easy steering system
- ⌘ Heavy duty C section mast
- ⌘ Standard fork length 1,150 mm
- ⌘ Fixed wrap-over forks
- ⌘ Wheel guards
- ⌘ Parking brakes
- ⌘ Suitable for Euro pallets
- ⌘ Lift heights from 1,200 – 3,300 mm

Options

- ⌘ ATEX range
- ⌘ Galvanised finish
- ⌘ Stainless steel construction
- ⌘ Adjustable forks
- ⌘ Various straddle widths
- ⌘ Custom designs and attachments
- ⌘ Wide straddle and counterbalance models
- ⌘ Battery electric, mains electric and pneumatically powered
- ⌘ Fixed or telescopic masts



Hand Hydraulic Pump

MSLI 1000

| Capacity kg | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Forks lowered mm | Forks spread mm | Net weight kg | Model |
|-------------|----------------|----------------|------------------|-------------------|-----------|----------|------------------|-----------------|---------------|-----------|
| 250 | 2450 | 250 | 2825 | 1650 | 1030 | 665 | 85 | 100 – 635 | 136 | MSAD 250 |
| 500 | 2100 | 500 | 2710 | 2550 | 1660 | 930 | 90 | 528 | 199 | MSAD 500 |
| 1000 | 1500 | 500 | 1964 | 1964 | 1750 | 750 | 88 | 540 | 180 | MSLI 1000 |

Alternative models available upon request

Manual Push Wide Straddle Stacker

- :: Manual push travel
- :: Hand hydraulic lift
- :: Wrap-over forks 1,170 mm long
- :: Inside straddle 1,225 mm
- :: Excellent load stability
- :: Light and easy manual steering system
- :: Pulling handle
- :: Pump handle operated
- :: Wheel guards
- :: Parking brake

Suitable for both Euro and perimeter board pallets

Options

- :: ATEX range
- :: Galvanised finish
- :: Stainless steel construction
- :: Adjustable forks
- :: Various straddle widths
- :: Custom designs and attachments
- :: Battery electric, mains electric and pneumatically powered
- :: Fixed or telescopic masts



Wide Straddle

MSWS

| Capacity kg | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Forks lowered mm | Forks spread mm | Net weight kg | Model |
|-------------|----------------|----------------|------------------|-------------------|-----------|----------|------------------|-----------------|---------------|-------------|
| 500 | 2050 | 500 | 2710 | 2550 | 1620 | 1550 | 85 | 160 – 740 | 213 | MSWSAD 500 |
| 1000 | 2050 | 500 | 2710 | 2550 | 1660 | 1550 | 85 | 160 – 740 | 360 | MSWSAD 1000 |
| 1000 | 1525 | 600 | 1950 | 1950 | 1550 | 1310 | 65 | 540 | 250 | MSWS 1000/1 |
| 1000 | 2885 | 600 | 2885 | 2000 | 1550 | 1310 | 65 | 540 | 390 | MSWS 1000/2 |

Alternative models available upon request

Manual Push Counterbalance Stacker

- :: Compact footprint
- :: Manual, battery, or pneumatic lift options
- :: Maximum capacity 250 kg
- :: Lift per stroke 15 mm
- :: Front wheels Ø150 mm nylon fixed
- :: Rear castors Ø200 mm nylon swivel
- :: Custom attachments

Suitable for both Euro and perimeter board pallets



CBWI 250

| Capacity kg | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Forks lowered mm | Forks spread mm | Net weight kg | Model |
|-------------|----------------|----------------|------------------|-------------------|-----------|----------|------------------|-----------------|---------------|----------|
| 250 | 1500 | 350 | 1941 | 1941 | 1660 | 744 | 90 | 580 | 310 | CBWI 250 |

Alternative models available upon request

Pallet Stackers

Pallet Stacker - Semi Electric / Standard Straddle

- :: Manual push stacker
- :: Battery electric powered lift
- :: Capacity 250 – 1,200 kg
- :: Fork length 1,150 mm
- :: Hydraulic lifting system
- :: Safe and easy to operate
- :: Parking brake
- :: Wheel guard
- :: Quick lifting and lowering speeds
- :: Polyurethane wheels
- :: Battery 12 V/120 Ah
- :: Internal battery charger
- :: Emergency stop
- :: Air powered option
- :: Mains powered option



SEPR

Suitable for Euro pallets

| Capacity kg | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Forks lowered mm | Forks spread mm | Net weight kg | Model |
|-------------|----------------|----------------|------------------|-------------------|-----------|----------|------------------|-----------------|---------------|-------------|
| 250 | 2200 | 350 | 2561 | 1641 | 1160 | 580 | 90 | 580 | 135 | SEWI 250 |
| 500 | 3300 | 500 | 3813 | 2296 | 1640 | 660 | 90 | 580 | 330 | SEWI 500 |
| 1000 | 900 | 600 | 1300 | 1300 | 1750 | 750 | 90 | 560 | 296 | SEPR 1000/1 |
| 1000 | 1600 | 600 | 1970 | 1970 | 1750 | 750 | 90 | 560 | 311 | SEPR 1000/2 |
| 1000 | 2000 | 600 | 2370 | 2370 | 1750 | 750 | 90 | 560 | 321 | SEPR 1000/3 |
| 1200 | 2500 | 600 | 2985 | 1780 | 1850 | 850 | 90 | 560 | 433 | SEPR 1200/1 |
| 1200 | 2900 | 600 | 3385 | 1980 | 1850 | 850 | 90 | 560 | 449 | SEPR 1200/2 |
| 1200 | 3500 | 600 | 3915 | 2250 | 1850 | 850 | 90 | 560 | 496 | SEPR 1200/3 |

Standard models – alternative models available upon request

Pallet Stacker - Semi Electric / Wide Straddle

- :: Electric lift and manual travel
- :: 1,250 mm inside straddle
- :: Heavy duty design
- :: Fork length 1,000 mm
- :: Adjustable forks
- :: Hydraulic lifting system
- :: Quick lifting and lowering speed
- :: Light and easy manual steering
- :: Hand brake
- :: 12 V/74 Ah battery
- :: Air powered option
- :: Mains powered option



SEWSPR

Suitable for both Euro and perimeter board pallets

| Capacity kg | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Forks lowered mm | Forks spread mm | Net weight kg | Model |
|-------------|----------------|----------------|------------------|-------------------|-----------|----------|------------------|-----------------|---------------|-------------|
| 250 | 2200 | 350 | 2561 | 1641 | 1160 | 580 | 90 | 580 | 135 | SEWSWI 250 |
| 500 | 3300 | 350 | 3782 | 2241 | 1200 | 580 | 90 | 580 | 264 | SEWSWI 500 |
| 750 | 1800 | 500 | 2354 | 2354 | 1660 | 770 | 90 | 580 | 300 | SEWSWI 750 |
| 1000 | 1550 | 600 | 2070 | 1970 | 1640 | 1500 | 90 | 230 – 790 | 415 | SEWSPR 1000 |
| 1250 | 1500 | 500 | 1970 | 1970 | 1670 | 1394 | 90 | 230 – 730 | 350 | SEWSWI 1250 |

Standard models – alternative models available upon request

Pallet Stacker - Fully Powered - Standard Straddle

- :: Capacity 1,000 – 2,200 kgs
- :: Battery powered drive and lift
- :: Tiller control unit
- :: Smooth stepless drive control
- :: 2.5 kw lifting motor
- :: Emergency stop button
- :: Lead acid or dry gel battery options
- :: ATEX models
- :: Stainless steel and galvanised models

Suitable for Euro pallets



SFPPR

SFPIC

| Capacity kg | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Forks lowered mm | Forks spread mm | Net weight kg | Model |
|-------------|----------------|----------------|------------------|-------------------|-----------|----------|------------------|-----------------|---------------|--------------|
| 1000 | 1600 | 600 | 1970 | 1970 | 1825 | 850 | 90 | 560 | 393 inc. BAT | SFPPR 1000 |
| 1200 | 2500 | 600 | 2985 | 1780 | 1825 | 850 | 90 | 560 | 481 inc. BAT | SFPPR 1200/1 |
| 1200 | 3500 | 600 | 3915 | 2250 | 1825 | 850 | 90 | 560 | 531 inc. BAT | SFPPR 1200/2 |
| 1300 | 3200 | 600 | 3634 | 2100 | 1910 | 870 | 90 | 570 | 1010 | SFPIC 1300 |
| 1400 | 5000 | 600 | 5540 | 2266 | 2505 | 850 | 90 | 560 | 1088 inc. BAT | SFPPR 1400 |
| 1500 | 3300 | 600 | 3944 | 2225 | 1930 | 1080 | 90 | 540 | 782 | SFPLI 1500 |
| 1600 | 3200 | 600 | 3634 | 2100 | 1910 | 870 | 90 | 570 | 1020 | SFPIC 1600 |
| 2200 | 3160 | 600 | 3614 | 2100 | 1945 | 870 | 90 | 570 | 1315 | SFPIC 2200 |

Custom sizes available upon request

Pallet Stacker - Fully Powered - Wide Straddle

- :: Battery electric powered drive and lift
- :: Wide straddle range
- :: Inside straddle 880 – 1,250 mm
- :: Adjustable forks
- :: Fork length 1,000 mm / 1,150 mm
- :: Tiller control unit
- :: Smooth stepless drive control
- :: Built in charger
- :: Travel speed 4 km/hr
- :: Lead acid or dry gel battery options

Suitable for both Euro and perimeter board pallets



SFPWPR

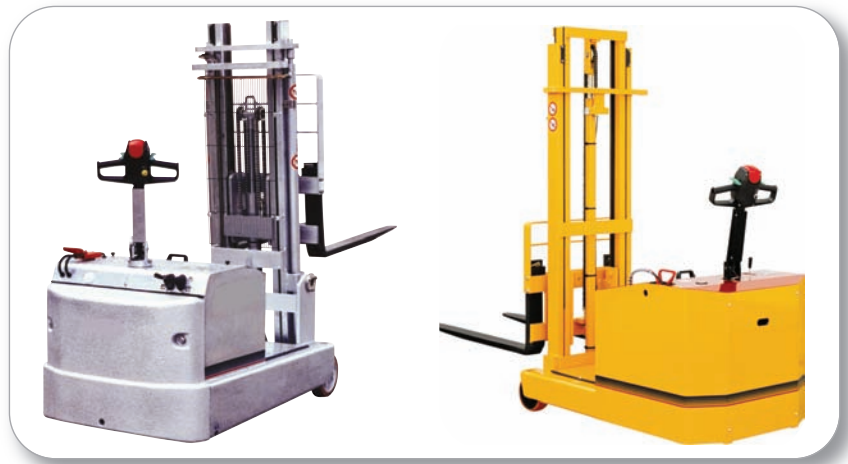
SFPWIC

| Capacity kg | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Forks lowered mm | Forks spread mm | Net weight kg | Model |
|-------------|----------------|----------------|------------------|-------------------|-----------|-----------|------------------|-----------------|---------------|---------------|
| 1200 | 2450 | 600 | 2985 | 1780 | 1715 | 850 | 90 | 230 – 790 | 565 | SFPWPR 1200/1 |
| 1200 | 2900 | 600 | 3385 | 1980 | 1715 | 850 | 90 | 230 – 790 | 580 | SFPWPR 1200/2 |
| 1200 | 3450 | 600 | 3915 | 2250 | 1715 | 850 | 90 | 230 – 790 | 615 | SFPWPR 1200/3 |
| 1200 | 3800 | 600 | 4270 | 2425 | 1715 | 850 | 90 | 230 – 790 | 665 | SFPWPR 1200/4 |
| 1300 | 3200 | 600 | 3634 | 2100 | 1910 | 1020/1420 | 90 | 570 | 1050 | SFPWIC 1300 |
| 1600 | 3200 | 600 | 3634 | 2100 | 1910 | 1020/1420 | 90 | 570 | 1060 | SFPWIC 1600 |
| 2200 | 3160 | 600 | 3614 | 2100 | 1945 | 1020/1420 | 90 | 570 | 1355 | SFPWIC 2200 |

Custom sizes available upon request

Stacker - Fully Powered - Counterbalanced

- :: Heavy duty construction
- :: Electric power steering
- :: Electronic speed control
- :: Electrohydraulic lifting and lowering
- :: Electromagnetic brake
- :: Tiller control unit
- :: Tilting mast
- :: Forged forks 1,000 mm long
- :: Speed 4.5 km/hr
- :: Battery 24 V/240 Ah
- :: Galvanised and stainless steel models
- :: ATEX range
- :: Full range of fork attachments
- :: Adjustable fork width
- :: Shorter or longer fork options



SFPCIC

| Capacity kg | Lift height mm | Load centre mm | Raised height mm | Lowered height mm | Length mm | Width mm | Forks lowered mm | Forks spread mm | Net weight kg | Model |
|-------------|----------------|----------------|------------------|-------------------|-----------|----------|------------------|-----------------|---------------|-------------|
| 600 | 3160 | 500 | 3620 | 2100 | 2315 | 880 | 40 | 200 – 670 | 1380 | SFPCIC 600 |
| 800 | 3160 | 500 | 3620 | 2100 | 2535 | 880 | 40 | 200 – 670 | 1400 | SFPCIC 800 |
| 1200 | 3160 | 500 | 3650 | 2100 | 2545 | 930 | 40 | 200 – 670 | 1850 | SFPCIC 1200 |
| 1600 | 3160 | 500 | 3650 | 2100 | 2685 | 930 | 40 | 200 – 670 | 1945 | SFPCIC 1600 |
| 2000 | 3160 | 500 | 3650 | 2100 | 2925 | 930 | 40 | 200 – 670 | 2300 | SFPCIC 2000 |

Reach Truck - Lift Truck with Retractable Mast

- :: Sit on model
- :: Powered drive, reach and lift
- :: Capacity 1,300 – 1,600 kg
- :: Lift height 7,490 mm
- :: Suitable for lifting all types of pallets
- :: Ergonomic design – ensures maximum safety
- :: Easily manoeuvred
- :: Ample space and visibility for the operator
- :: Easy access to the controls
- :: Std fork size 1,150 x 130 x 35/45 mm



RTIC

| Model | RTIC 1300/1 | RTIC 1300/2 | RTIC 1300/3 | RTIC 1300/4 |
|---|-------------|-------------|-------------|-------------|
| Capacity – lifted load kg | 1300 | 1300 | 1300 | 1300 |
| Load – centre distance mm | 600 | 600 | 600 | 600 |
| Lifting – height off ground mm | 3800 | 5390 | 6690 | 7490 |
| Lifting – full free lift (triplex) mm | 1850 | 1780 | 2340 | 2670 |
| Overall dimensions – closed mast height mm | 2430/4350 | 2360/5900 | 2840/7230 | 3240/8160 |
| Overall dimensions – length incl. fork thickness mm | 1120 x 1270 | 1120 x 1270 | 1120 x 1270 | 1120 x 1270 |
| Forks – External fork width mm | 260 – 720 | 260 – 720 | 260 – 720 | 260 – 720 |
| Tilting – Forward (α) – backward (β) | 1° – 4° | 1° – 3° | 1° – 2° | 1° – 2° |
| Turning radius – external mm | 1580 | 1580 | 1580 | 1580 |

Pallet Truck - Fully Powered

- ⌘ Suitable for frequent pallet loading
- ⌘ Tiller control unit
- ⌘ Electromagnetic drive
- ⌘ Electronic speed control
- ⌘ Smooth stepless drive control
- ⌘ Battery 24 V/160 Ah
- ⌘ In built battery charger
- ⌘ Small turning radius
- ⌘ Automatic parking brake

Additional Options

- ⌘ Fold down ride on platform and side supports
- ⌘ Wide straddle
- ⌘ Shorter or longer forks
- ⌘ Stainless steel and galvanised models



PPTIC

| Capacity kg | Lift height mm | Load centre mm | Fork width mm | Fork length mm | Length mm | Width mm | Fork lowered mm | Models |
|-------------|----------------|----------------|---------------|----------------|-----------|----------|-----------------|------------|
| 1400 | 200 | 600 | 560 | 1150 | 1650 | 720 | 85 | PPTPR 1400 |
| 1600 | 200 | 600 | 560 | 1150 | 1650 | 760 | 85 | PPTIC 1600 |
| 2000 | 200 | 600 | 560 | 1150 | 1650 | 760 | 85 | PPTIC 2000 |
| 2200 | 200 | 600 | 560 | 1150 | 1650 | 760 | 85 | PPTIC 2200 |
| 3000 | 200 | 600 | 560 | 1150 | 1650 | 760 | 85 | PPTIC 3000 |

Custom sizes available upon request



Double Pallet Truck



Extended Forks Pallet Truck



Heavy Duty Pallet Truck



Wide Straddle Pallet Truck

Pallet Trucks

Standard Pallet Trucks

| Model | PT01 | PT02 | PT03 | PT04 |
|----------------|-----------|-----------|------|------|
| Capacity kg | 2500 | 2500 | 3000 | 3000 |
| Fork width mm | 540 | 680 | 540 | 680 |
| Fork length mm | 1000/1150 | 1000/1150 | 1150 | 1150 |

- :: Tandem or single load wheels
- :: Nylon or rubber steering wheels
- :: Two nylon entry and exit rollers
- :: Steering lock 110°
- :: Custom models available



PT 01

Galvanised Pallet Truck

| Model | PT05 | PT06 |
|----------------|------|------|
| Capacity kg | 2000 | 2000 |
| Fork width mm | 540 | 680 |
| Fork length mm | 1150 | 1150 |

For use in corrosive environments such as cold room or clean room applications



PT 05

Stainless Steel Pallet Truck

304 grade stainless steel

| Model | PT07 | PT08 |
|----------------|------|------|
| Capacity kg | 2000 | 2000 |
| Fork width mm | 540 | 680 |
| Fork length mm | 1150 | 1150 |

All parts are manufactured in stainless steel including the fork frame, handle, push rod, wheel bearings, pin and bolt etc.



PT 07

Low Profile Pallet Truck

| Model | PT09 | PT10 |
|----------------|------|------|
| Capacity kg | 2000 | 2000 |
| Fork width mm | 540 | 680 |
| Fork length mm | 1150 | 1150 |

Tandem nylon load wheels

- :: For use with low entry level pallets
- :: Lowered fork height of 55 mm



PT 09

Pallet Trucks Options

High Lift Pallet Truck

| | | |
|----------------|------|------|
| Model | PT11 | PT12 |
| Capacity kg | 1000 | 1000 |
| Fork width mm | 540 | 680 |
| Fork length mm | 1150 | 1150 |

- ⌘ Maximum fork height 800 mm
- ⌘ Nylon steering and load wheels
- ⌘ Stabilisers when at max lift height



PT 11

Electric High Lift Pallet Truck

| | |
|----------------|------|
| Model | PT13 |
| Capacity kg | 2000 |
| Fork width mm | 540 |
| Fork length mm | 1150 |

- ⌘ Maximum fork height 800 mm
- ⌘ 12V Pump motor/90 Ah battery
- ⌘ Lift speed with max load – 6 secs approx.
- ⌘ Max lifts with max load on one charge – approx. 50
- ⌘ Nylon steering and load wheels
- ⌘ Stabilisers when at max lift height



PT 13

Printer Pallet Truck

| | | |
|----------------|------|------|
| Model | PT14 | PT15 |
| Capacity kg | 2000 | 2000 |
| Fork width mm | 450 | 450 |
| Fork length mm | 900 | 1000 |

- ⌘ Tandem nylon load wheels
- ⌘ Optional nylon entry and exit rollers



PT 14

Reel Pallet Truck

| | |
|----------------|------|
| Model | PT16 |
| Capacity kg | 2000 |
| Fork width mm | 990 |
| Fork length mm | 1220 |

- ⌘ Min/max roll diameter 700/1,300 mm
- ⌘ Tandem nylon load wheels
- ⌘ Customised sizes on request



PT 16

Pallet Trucks Options

Pallet Truck With Scales

| | |
|----------------|------|
| Model | PT17 |
| Capacity kg | 2000 |
| Fork width mm | 555 |
| Fork length mm | 1150 |

- :: 4 load cells
- :: +/- 1 kg accuracy
- :: Battery charger included
- :: Nylon steering wheels
- :: Tandem nylon load wheels



PT 17

Extended Forks Pallet Truck

| | | | | |
|----------------|------|------|------|------|
| Model | PT18 | PT19 | PT20 | PT21 |
| Capacity kg | 2000 | 2000 | 2000 | 2000 |
| Fork width mm | 540 | 680 | 540 | 680 |
| Fork length mm | 1500 | 1500 | 1800 | 1800 |

- :: Tandem or single load wheels
- :: Nylon or rubber steering wheels
- :: Handle base reinforced
- :: Two nylon entry and exit rollers
- :: Steering lock 110°



PT 18

Rough Terrain Pallet Truck

| | |
|----------------------|-----------|
| Model | PT22 |
| Capacity kg | 1200 |
| Fork spread width mm | 212 – 735 |
| Fork length mm | 860 |
| Fork width mm | 100 |

- :: Max fork height 233 mm
- :: Overall size (L x W x H) 1,375 x 1,605 x 1,200 mm



PT 22

Container Tilter

- :: Capacity 500 – 1,500 kg
- :: Manual foot pump or powered lift
- :: 90° tilting angle
- :: Standard or wide straddle legs



CT 01/A



CT 01/B



CT 02/A



CT 02/B

Workshop Cranes - Manual Push

- :: Compact and highly manoeuvrable cranes

| Model | 150M or 150B | 250M or 250B | 350M or 350B |
|---------------------|---------------------------|---------------------------|---------------------------|
| Capacity kg | 150 | 250 | 350 |
| Clear reach mm | 761/953/1145 | 761/953/1145 | 761/953/1145 |
| Hook height max. mm | 2135/2265/2375 | 2135/2265/2375 | 2160/2290/2400 |
| Length x width mm | 1024 x 744 | 1322 x 744 | 1600 x 744 |
| Wheels/rear castors | 150Ø/200Ø mm | 150Ø/200Ø mm | 150Ø/200Ø mm |
| Weight kg | 375 | 410 | 450 |
| Lift operation | M – Manual B – Battery | M – Manual B – Battery | M – Manual B – Battery |



250 M

Workshop Cranes - Power Drive & Lift

| Model | 500M | 750M | 1000M |
|------------------------|---------------|---------------|---------------|
| Capacity kg | 500/375/250 | 750/540/410 | 1000/750/610 |
| Clear reach mm | 657/1000/1318 | 657/1000/1318 | 657/1000/1318 |
| Hook height max. mm | 2775/150 | 2725/100 | 2775/100 |
| Length x width mm | 1400 x 786 | 1400 x 786 | 1700 x 786 |
| Wheels/rear drive mm | 200Ø/250Ø | 200Ø/250Ø | 200Ø/250Ø |
| Weight kg | 700 | 1000 | 1050 |
| Lift & Drive Operation | Battery | Battery | Battery |



500 M

Foldable Workshop Cranes - Manual Lift

- :: Lifting via double action hand pump
- :: Jacks from folded to upright position

| | |
|-----------------------|--------------|
| Capacity kg | 1000/800/700 |
| Clear reach mm | P1/P2/P3 |
| Hook height max./min. | 2445/350 |
| Length x width mm | 1630 x 1120 |
| Weight kg | 115 |



WC 03

Load Movers

- :: Lift and transport heavy loads with light weight movers
- :: Supplied in pairs with rubber coated lifting toes

| | | |
|---------------------|------------------|------------------|
| Capacity kg | 1800 | 1800 |
| Lift height mm | 100 | 250 |
| Lift plate W x D mm | 600 x 60 | 600 x 60 |
| Overall size mm | 680 x 420 x 1000 | 680 x 420 x 1070 |
| Weight kg | 80 | 86 |
| Wheel diameter mm | 150 | 150 |

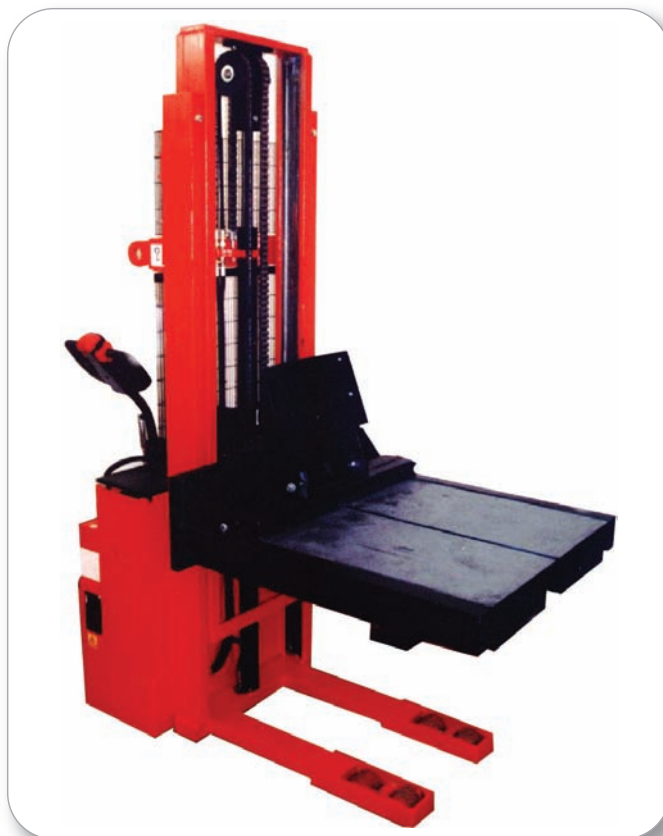


LM 01

Pallet Stacker Attachments



Manual Die Handler



Powered Drive / Powered Pusher



Dedicated Personnel Access Platform



White Goods Clamp

Skates

Fixed Wheel Skates

- ⌘ Maintenance free
- ⌘ Fitted with handles for ease of carrying.
- ⌘ Rubber platforms



| | | | | | |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Capacity ton | 1 | 2 | 2.5 | 3 | 6 |
| No. of rollers | 4 | 8 | 2 | 4 | 6 |
| No. of axles | 2 | 2 | 2 | 2 | 3 |
| Roller size mm | 100 x 35 | 100 x 35 | 85 x 90 | 85 x 85 | 85 x 85 |
| Dimensions mm | 330 x 220 x 120 | 330 x 220 x 120 | 210 x 100 x 105 | 330 x 300 x 120 | 260 x 230 x 105 |
| Weight kg | 7 | 8 | 4 | 9.5 | 12 |

Roller Crowbar

| | | |
|--------------------|------|------|
| Capacity ton | 1.5 | 5 |
| Length mm | 2000 | 2000 |
| Max. height mm | 145 | 145 |
| Roller diameter mm | 75 | 70 |
| Roller width mm | 55 | 54 |
| Weight kg | 13 | 30 |



Skates with castors

- ⌘ Maintenance free.
- ⌘ Fitted with handles for ease of carrying.
- ⌘ Rubber platforms.

| | | |
|----------------------|-----------------|-----------------|
| Capacity ton | 1 | 1 |
| No. of castors | 2 | 4 |
| No. of fixed rollers | 2 | 0 |
| Roller size mm | 100 x 35 | – |
| Castor size mm | 75 x 46 | 75 x 46 |
| Dimensions mm | 430 x 340 x 120 | 430 x 340 x 120 |
| Weight kg | 13 | 14 |



Adjustable Skates

Adjustable skates comprise of 2 skates connected by 2 steel rods. This allows the load area to be easily adjusted from 500 mm – 1,400 mm or 720 – 1,500 mm (depending on the model).

| | | | |
|----------------|-----------------|-----------------|-----------------|
| Capacity ton | 6 | 12 | 24 |
| Type of roller | Nylon | Nylon | Steel |
| No. of rollers | 8 | 12 | 16 |
| Dimensions mm | 300 x 250 x 115 | 360 x 220 x 115 | 360 x 220 x 115 |
| Weight kg | 30 | 38 | 65 |



Steerable Skates

Steerable skates offer swivelling load platforms and incorporate 1 meter drawbars as standard. Load capacities range from 3,000 up to 12,000 kg and all models are steerable on their 4 or 8 rollers.

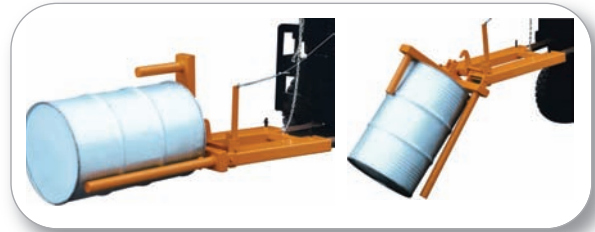
| | | | |
|----------------|-----------------|-----------------|-----------------|
| Capacity ton | 3 | 6 | 12 |
| Type of roller | Nylon | Nylon | Steel |
| No. of rollers | 4 | 8 | 8 |
| Roller size mm | 85 x 90 | 85 x 90 | 83 x 85 |
| Dimensions mm | 310 x 255 x 105 | 630 x 400 x 115 | 630 x 400 x 115 |
| Weight kg | 15 | 50 | 66 |



Forklift Truck Attachments

Drum Positioner

- :: Manipulate drums from horizontal to vertical and vice versa without leaving the seat of the forklift truck
- :: Can be used with 210 L steel or plastic drums
- :: Capacity from 400 to 800 kg
- :: Suitable for drum types "1" and "2"



FLT 01

Drum Rotator

- :: Designed to handle 210 L drums up to 360 kg
- :: Steel drums are secured with a steel centre clamp
- :: Plastic drums are secured with 2 webbing straps
- :: Rotation is carried out by means of a crank handle, a continuous loop chain or by hydraulic operation
- :: Suitable for drum types "1" and "2"



FLT 02

Drum Grab

- :: Designed for handling steel or plastic drums
- :: Ideal for low to medium volume movement of drums
- :: Fully automatic operation complete with a quick-slide 2 position adjustment for easy handling of drums.
- :: Capacity from 250 to 1,000 kg
- :: Suitable for drum types "1" and "2"



FLT 03

Drum Tongs

- :: Works with overhead crane or hook from forklift
- :: Easily transports and handles open or closed steel drums
- :: Semi automatic or fully automatic
- :: Keep drums upright during lift, reducing spills and injuries
- :: Capacity 500 kg
- :: Suitable for drum types "1", "2" and "4"



FLT 04

Rim Grip Drum Handler

- :: Use when handling drums which are packed tightly together
- :: Steel jaws grip the rim of the drum, allowing the drums to be picked up or set down without spaces between them
- :: Can be used with 210 L steel or plastic drums up to 2,250 kg
- :: Suitable for drum types "1" and "2"



FLT 05

Drum Types



Fork Mounted Jib

- ⌘ A fixed length jib which mounts onto the forks of any truck
- ⌘ Supplied complete with hook and shackle which can be moved to any suitable lifting position
- ⌘ Capacity ranges from 1,000 to 5,000 kg



FLT 06

Extender Jib

- ⌘ Enables the transport of long loads
- ⌘ Closed length 2,000 mm
- ⌘ Extended length 3,000 mm
- ⌘ Supplied complete with 2 swivel hooks
- ⌘ Manual extension
- ⌘ Capacity from 2000 – 5,000 kg



FLT 07

Access Platforms

- ⌘ Safe and stable working deck
- ⌘ Harness rails fitted as standard
- ⌘ Positive locking to fork
- ⌘ Gate lock operates automatically when platform is raised
- ⌘ 1 or 2 person platform



FLT 08

Mechanical Scissor Grabs

- ⌘ Designed to lift bricks, blocks, kerbs and slabs
- ⌘ Purely mechanical in action
- ⌘ Span from 125 – 1,070 mm
- ⌘ Jaw height from 100 – 1,200mm
- ⌘ Capacity from 100 – 1,500 kg



FLT 09

Fork Extensions

- ⌘ Designed to offer occasional long reach
- ⌘ Integral retaining bar with fully formed and profiled toe section
- ⌘ Width 80 – 200 mm
- ⌘ Length 1200 – 2,250 mm
- ⌘ Maximum extension length is as follows – heavy duty + 50% e.g. 1,200 forks – 1,800 extensions



FLT 10

For All Your Lifting & Handling Needs

- :: Equipment Supply
- :: Installation & Training
- :: Inspection, Testing & Certification
- :: Maintenance & Service
- :: Spare Parts
- :: Enhanced Documentation
- :: ATEX Certification Options
- :: Nationwide Service



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