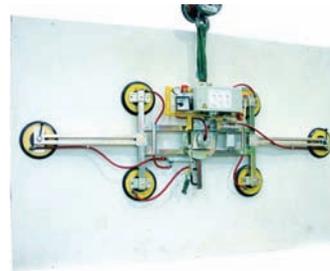


Vacuum Lifters



Lifting & Handling Equipment

| | |
|------------------------------------|----|
| :: Vacuum Tube Lifters | 2 |
| :: Drum & Sack Handling | 4 |
| :: Box & Reel Handling | 6 |
| :: Board & Door Handling | 8 |
| :: White Goods & Pallet Handling | 10 |
| :: Vacuum Grippers - High Capacity | 14 |
| :: Steel, Glass, & Stone Handling | 15 |

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

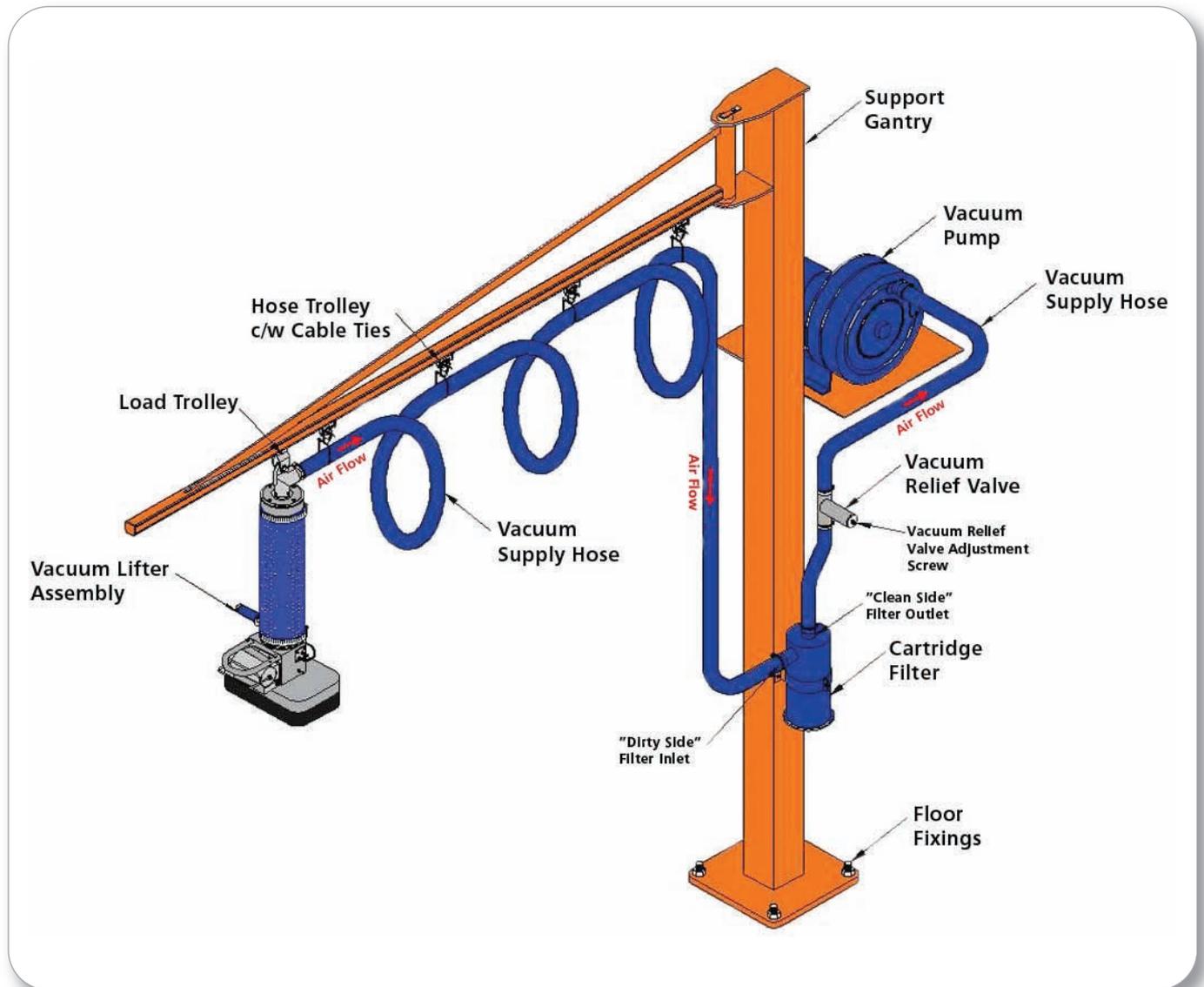
- ❑ Make light work of everyday manual handling tasks
- ❑ Improve assembly speed, efficiency and throughput
- ❑ Low headroom options to fit into the tightest of spaces
- ❑ Effortless repetitive lifting and weightless operation
- ❑ In-built safety feature prevents load dropping in case of a power failure
- ❑ 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



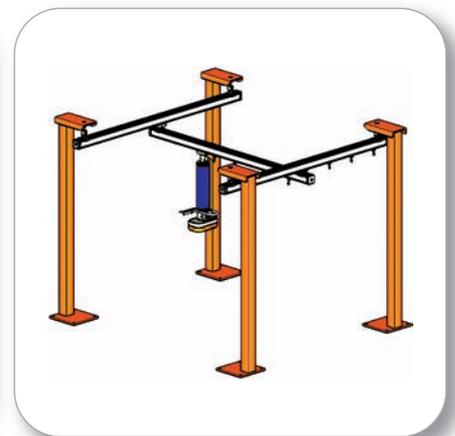
Examples of other layout options



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



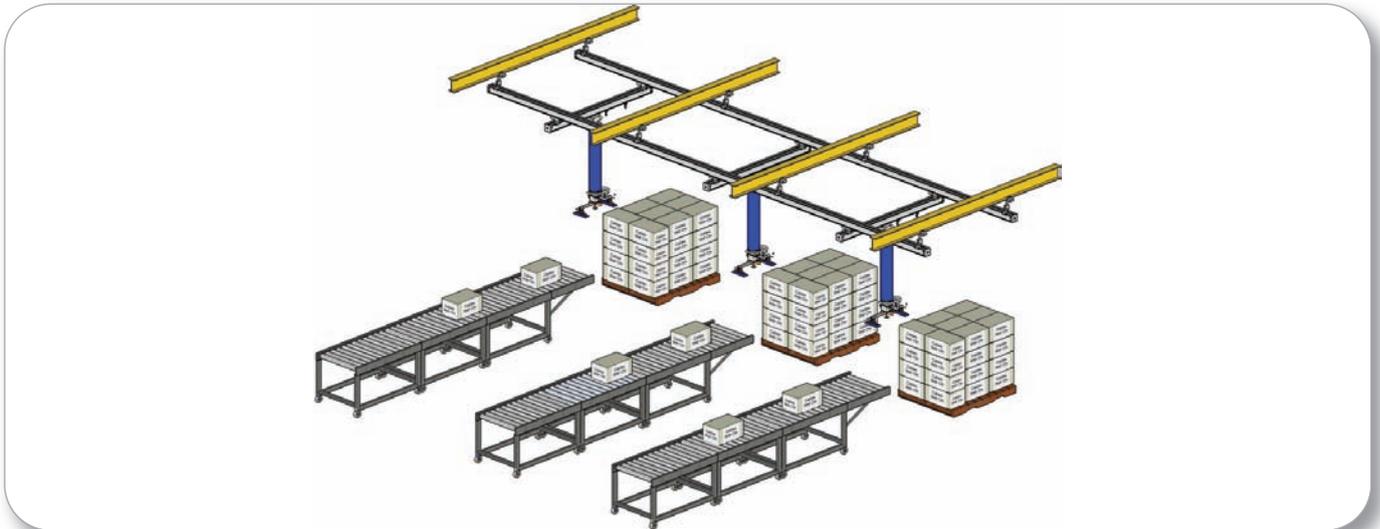
Double Foot



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

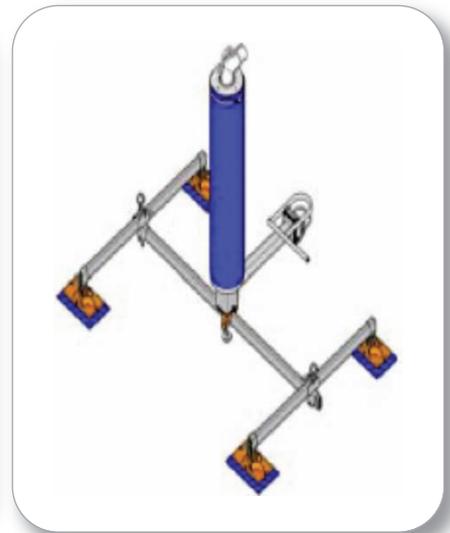
Vacuum Tube Lifters - Board & Door Handling



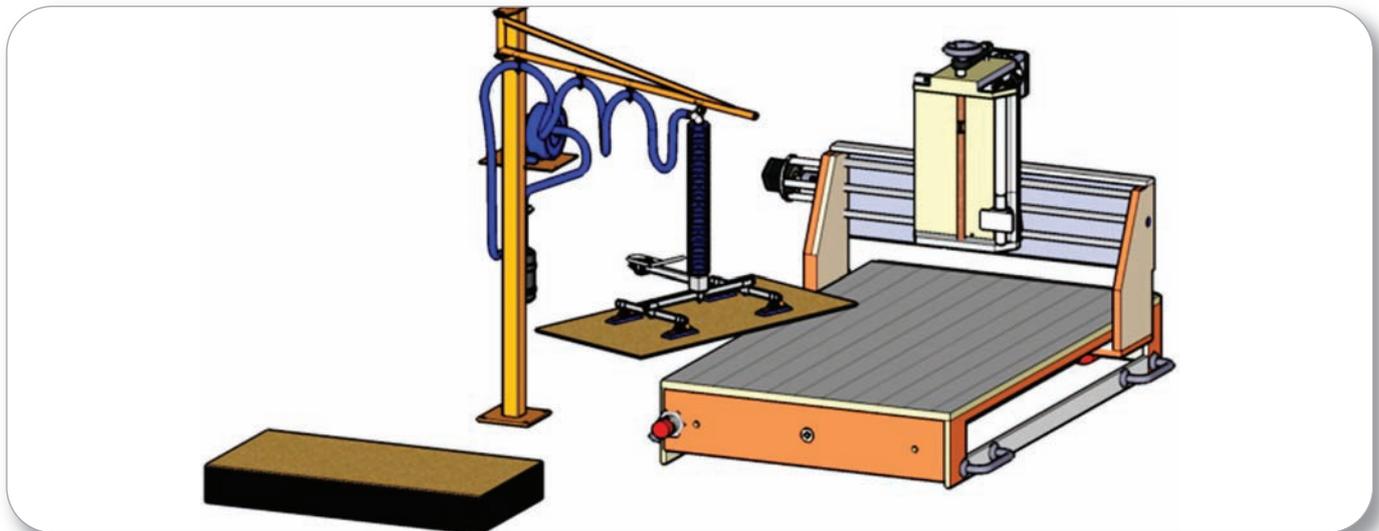
Door Blanks & Small Panel Suction Foot



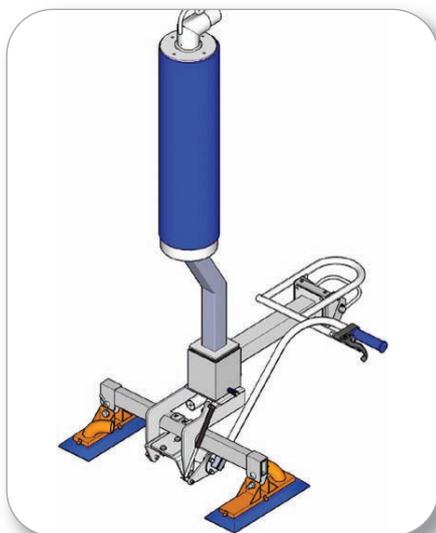
Suction Foot with Narrow Feet to Suit Panel Doors



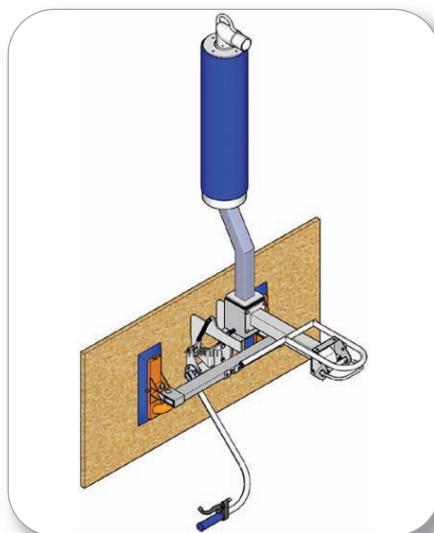
Large Panel - Suction Foot



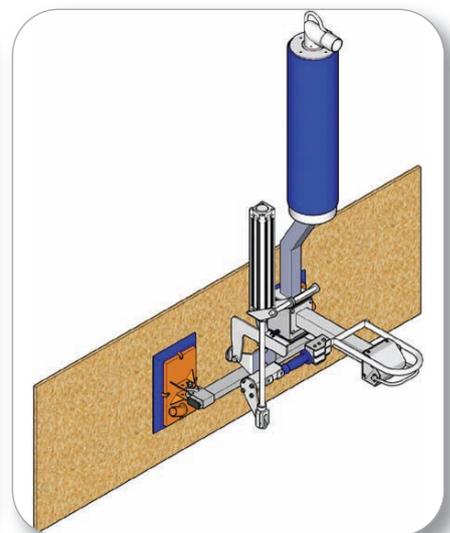
Vacuum Tube Lifter - Board / Door Lifter



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

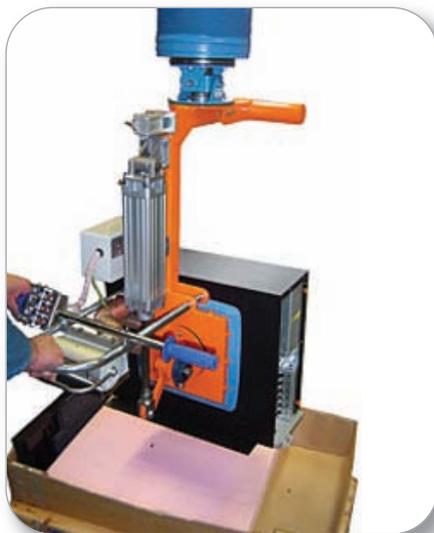


Manual 90° Rotation - Small Panels

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

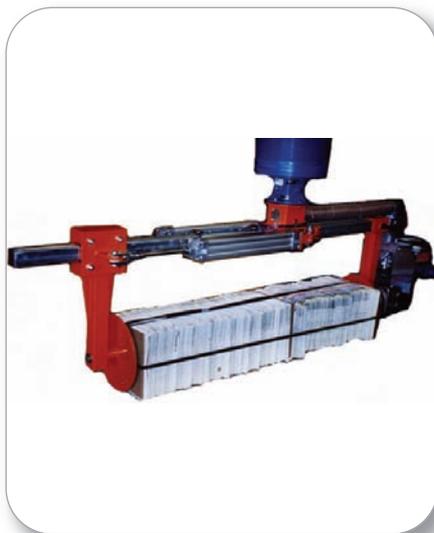


Rubber bale lifter on inverted swing jib

Vacuum Tube Lifters - Miscellaneous



Multi Pack Vacuum Grip



Print Log Grip & Rotate



Meat Pack Vacuum Grip



Keg Hook & Lift



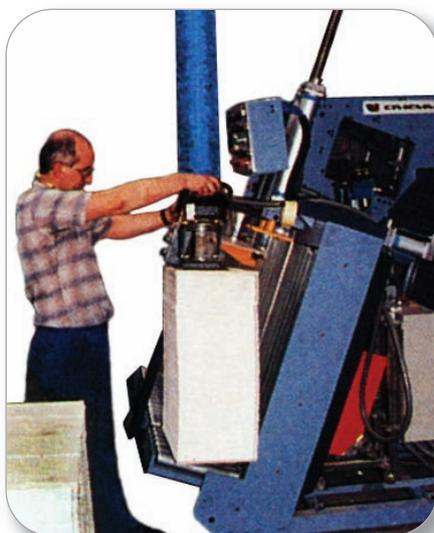
Keg Vacuum Grip / Side Lift



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



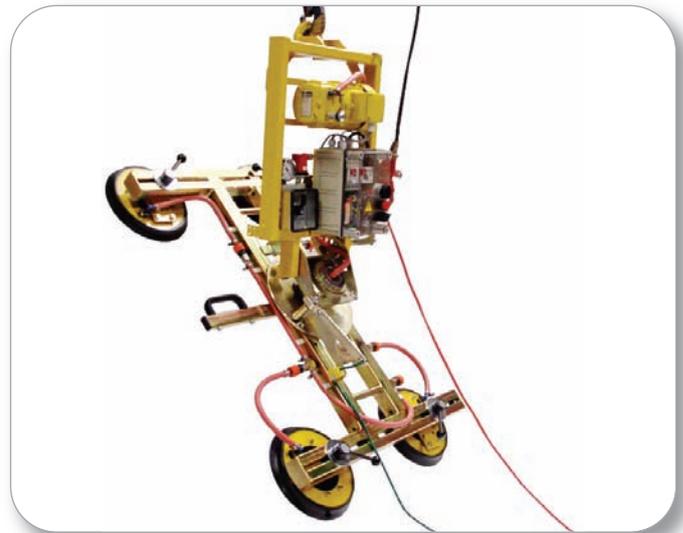
1,500 kg Capacity

Features

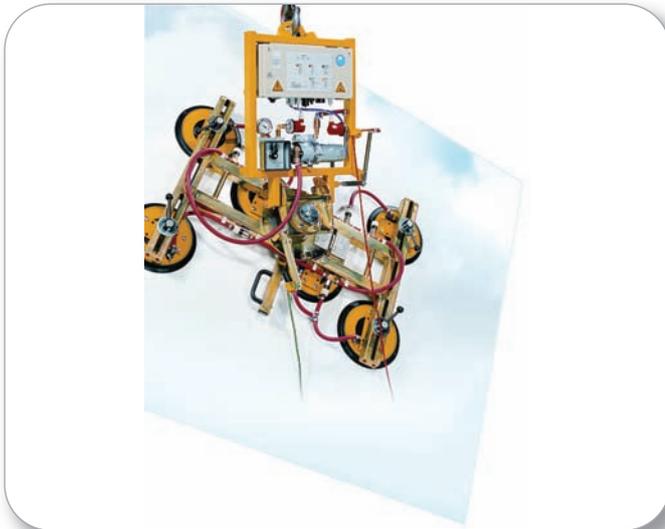
- ❑ Fully adjustable suction plates to allow different sized materials to be gripped and supported
- ❑ Dual vacuum circuit option for extra safety, suitable for construction sites
- ❑ Vertical to horizontal tilt option
- ❑ 90° or 180° rotation
- ❑ Manual and powered options
- ❑ Battery electric, mains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

Suitable Materials

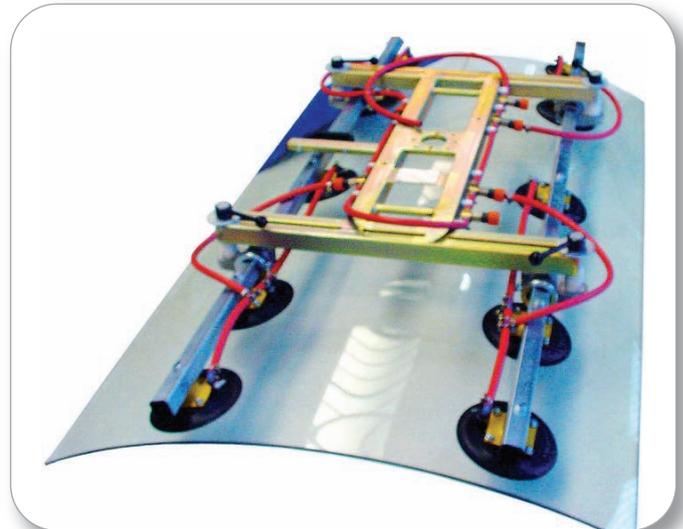
- ❑ Steel Sheets
- ❑ Glass Panels
- ❑ Stone/Granite
- ❑ Wood
- ❑ Coils



90° Rotation



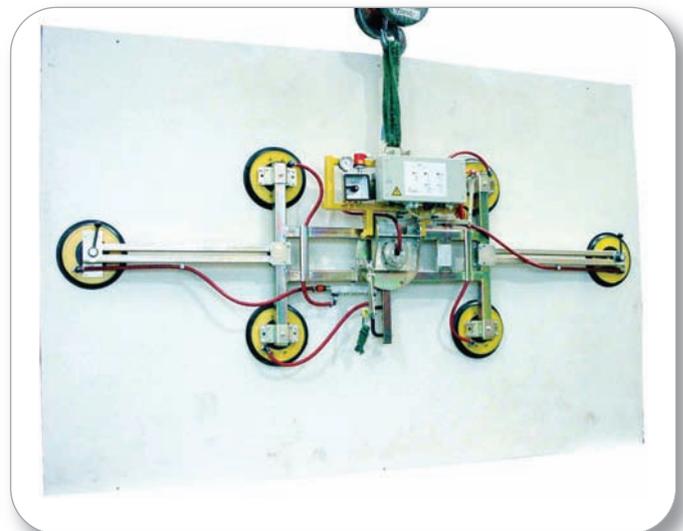
Swivel horizontal to vertical or vice versa



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



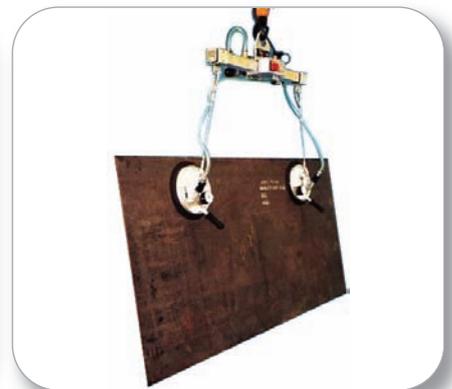
180° Rotation



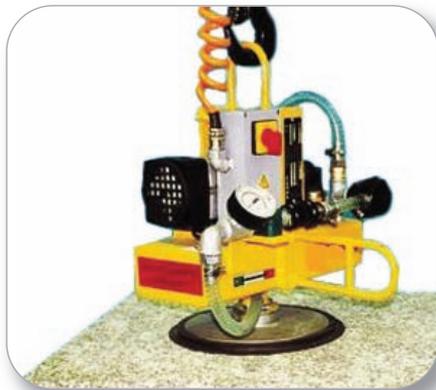
2 Suction Plates



500 kg Horizontal Capacity



250 kg Vertical Capacity



Mini Stone Gripper



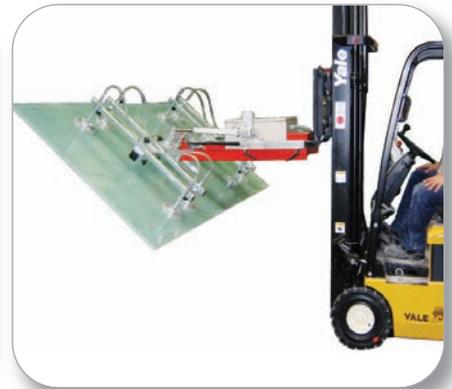
2 Man Kerbstone Lift



Vacuum Grip



Cladding Vacuum Grip / Battery Powered



Truck Mounted Vacuum Gripper