Pharma Solutions



Lifting & Handling Luipner

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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.









PharmaVac

Pharma Solutions



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





PLC Control

Pharma Solutions

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



Manual push, powered lift, grip and pour



Telescopic Mast



Squeeze Cone

Squeeze Cone & Valve

Power Drive

Drum Tipping & Positioning Systems

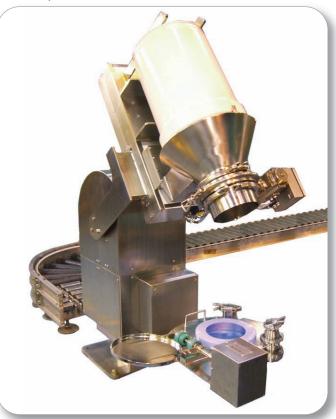
- : Drums of powder or liquid handled up to 350 kg
- :: Fixed and mobile units
- :: ATEX and cGMP stainless steel 304/316L
- :: Containment options
- :: Custom design, lift and tip to any height
- :: Build into booth wall option
- :: Support cradle options conveyor/fork/plate/ squeeze cone/custom designs
- **::** 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



Squeeze Cone & Valve



Roller Fed

Mobile Style

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

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.

PharmAssist

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



Floor Mounted PharmAssist



Controlled Docking Solutions



Ceiling Mounted PharmAssist

Stainless Steel Crane Options

Pharma Solutions



Floor Mounted Knuckle Jib







Paltrac 'H' Style Crane



Ceiling Mounted Manipulator



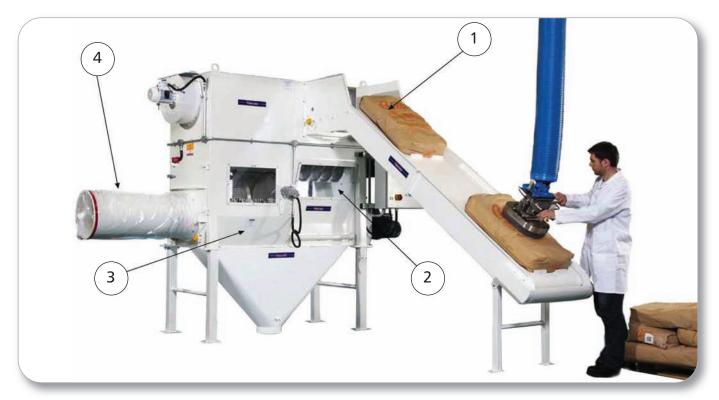
Drum Clamp



Standard 'H' Style Crane

The Palamatic RotaSlit™

Four easy steps to automatic bag slitting and management:





Infeed

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)



Cutting Chamber

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).



Screw Auger

Sack cuttings are separated from the product and the screw auger transfers them into the tumble drum chamber where any remaining product is removed.



Waste Sacks

The waste sack is compacted into a dust tight tube for easy disposal.

Dairy/Food Process

- : Minimal internal components reduce product hangup points.
- : Stainless steel manufacture with range of polished finishes.



Stainless Steel Contact Parts

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

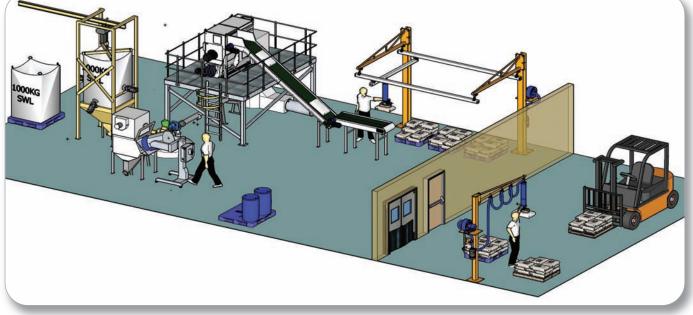
ATEX/Hazardous Process

:: Zones 1/21 specification available internally and externally.

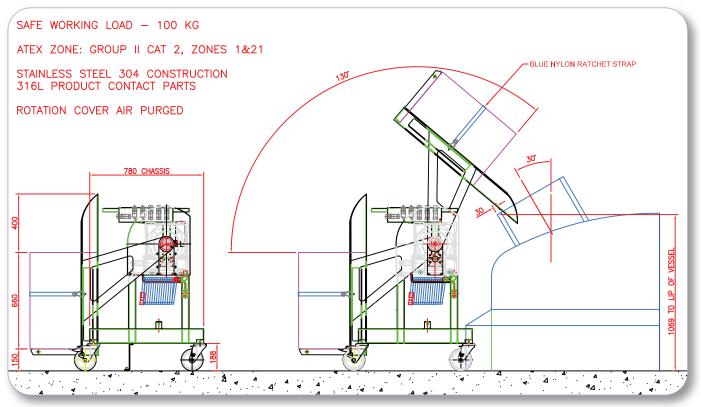


Mild Steel Epoxy Paint Finish

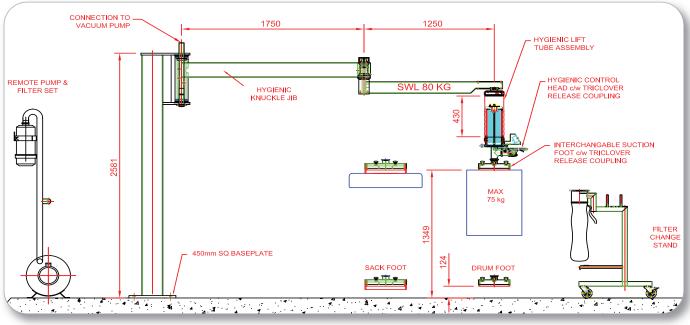
- :: Versatility to handle a wide range of product types
- :: Single drive, low running cost option available
- :: Compact design fits areas with restricted space availability
- :: Simple design no internal spikes or belts
- : Easy access for cleandown and (minimal) maintenance procedures



Lifting, Tipping, Conveying & Opening Systems



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