



SAFETY.

EFFICIENT.

PRODUCTIVITY.

SMART SOLUTION FOR INDUSTRY 4.0

Unijet Pneumatics Pvt. Ltd caters smart solutions to various industries with top-grade Pneumatic and Vacuum Products. Having been in the industry since 1993, we house a well-experienced R&D team to deliver highly customized, effective solutions based on our customers' needs.

At Unijet Pneumatics, advanced techniques in conjunction with state-of-the-art manufacturing facilities, skilful engineers and high-quality raw materials address the pressing challenges of the industry in the form of innovative new ideas which are brought to life as expertly designed & manufactured best-in-class products, offered at competitive prices.



About Us

Our infrastructure spans 4500 sq.m and is located in Athipalayam Road, Chinnavedampatti, Coimbatore which is well connected to the city's major transportation hubs and has close proximity to supreme-quality raw materials' suppliers.



**OUR
INFRASTRUCTURE**

WHY UNIJET



State-of-the-art
manufacturing facilities



Top-grade raw
materials



Customized products
for any requirement



Experienced and skilful
engineers



In-house R&D team



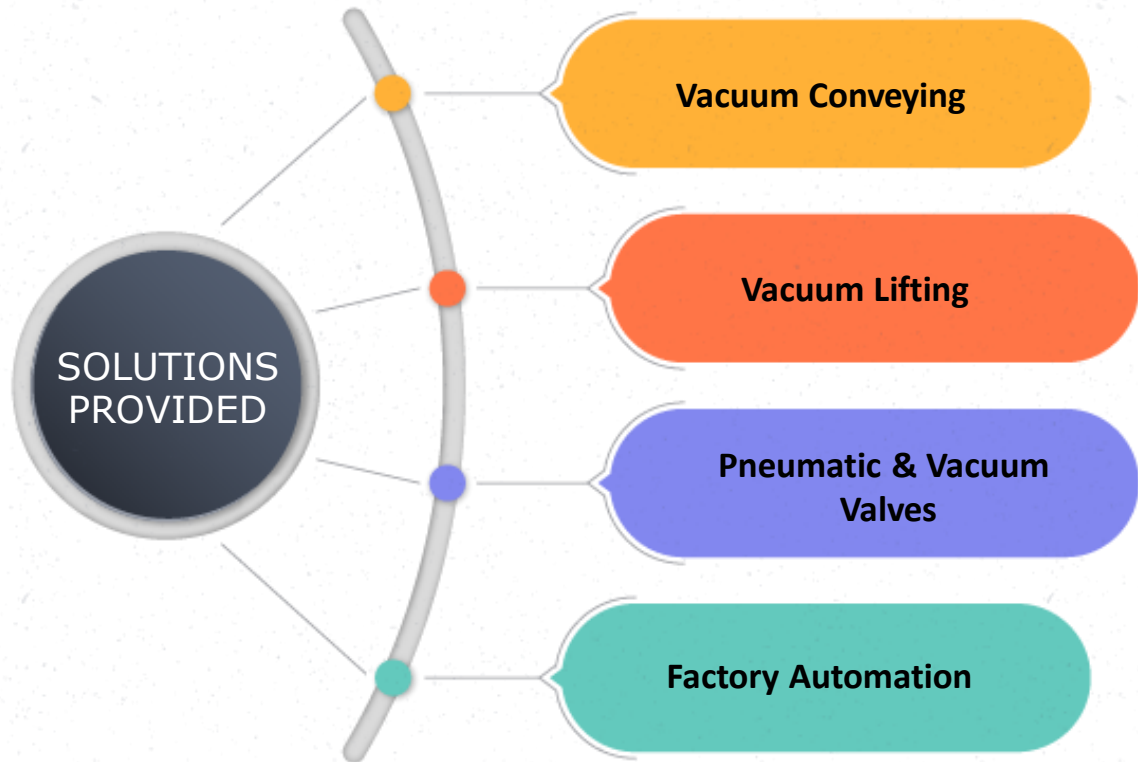
High-quality tested
products



Prompt support &
delivery



Competitive prices



OUR VACUUM SOLUTIONS



We
Serve

- Food Industries.
- Pharmaceutical Industries.
- Chemical Industries.
- Plastic Industries
- Glass Industries.
- Wood Industries.
- Ceramic, Concrete, Tiles & Marble Industries.
- Air dryer manufacturers.
- Industrial House keeping - machine shop.

VACUUM LIFTER

Vacuum lifters are superior to classic lifting devices with slings due to their faster and easier handling. Place the vacuum cup, press the manual slide valve and wait two to three seconds until the vacuum is generated. It is this easy to work with the vacuum lifter. These vacuum lifters in general, are used for handling plates, panes and sheets. Vacuum lifters are especially used in the wood, sheet metal and glass processing industries. They make the loading of processing machines and the storage of various goods much easier.

The UNIJET Vacuolift is available as standard for loads 150,300,500 and 750 kg. We can adapt the cross beam to meet your needs with a variety of accessories.

For applications where many hands would normally be required, The Vacuolift allows to handle work piece trouble free by just a single operator



VACUUM LIFTER



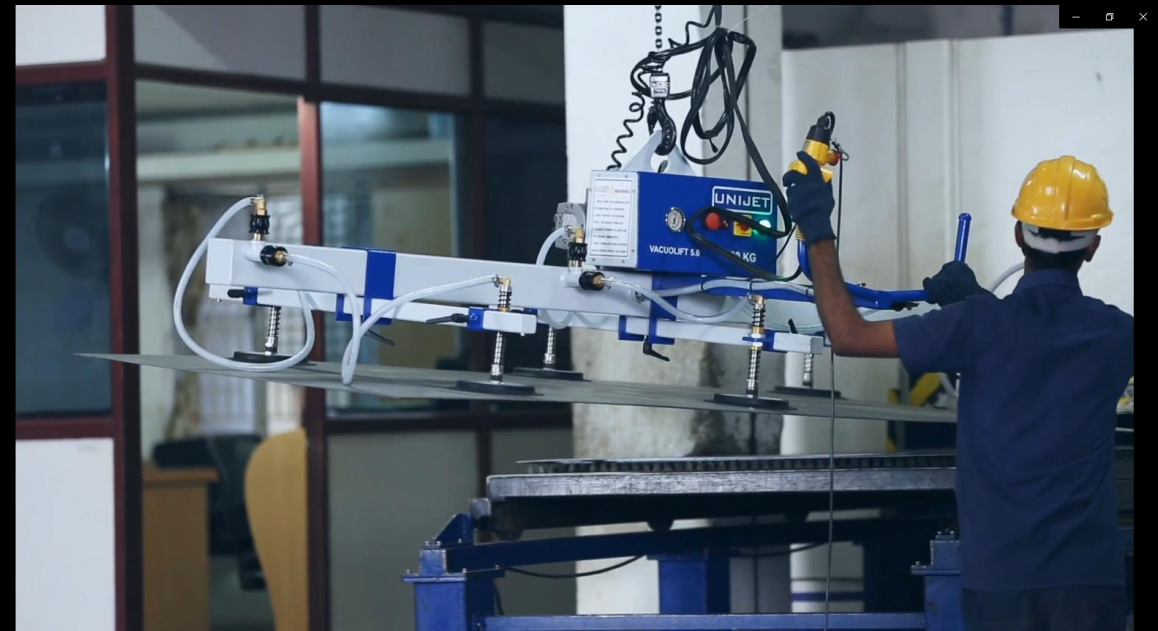
PRODUCT HIGHLIGHTS

- Robust construction using Stainless steel.
- Eminent safety to operator thanks to vacuum reservoir.
- Signal lamp for optical warning in loud working environments.
- All necessary displays, such as the vacuum meter for displaying the vacuum level, are
- conveniently positioned within the user's field of vision.
- Mark free handling, No damage to products.
- Individually spring-loaded suction plates ensure the gentle positioning of the vacuum lifter on
- the material to be transported.
- Advance flexible joint to handle minimum thickness sheets.



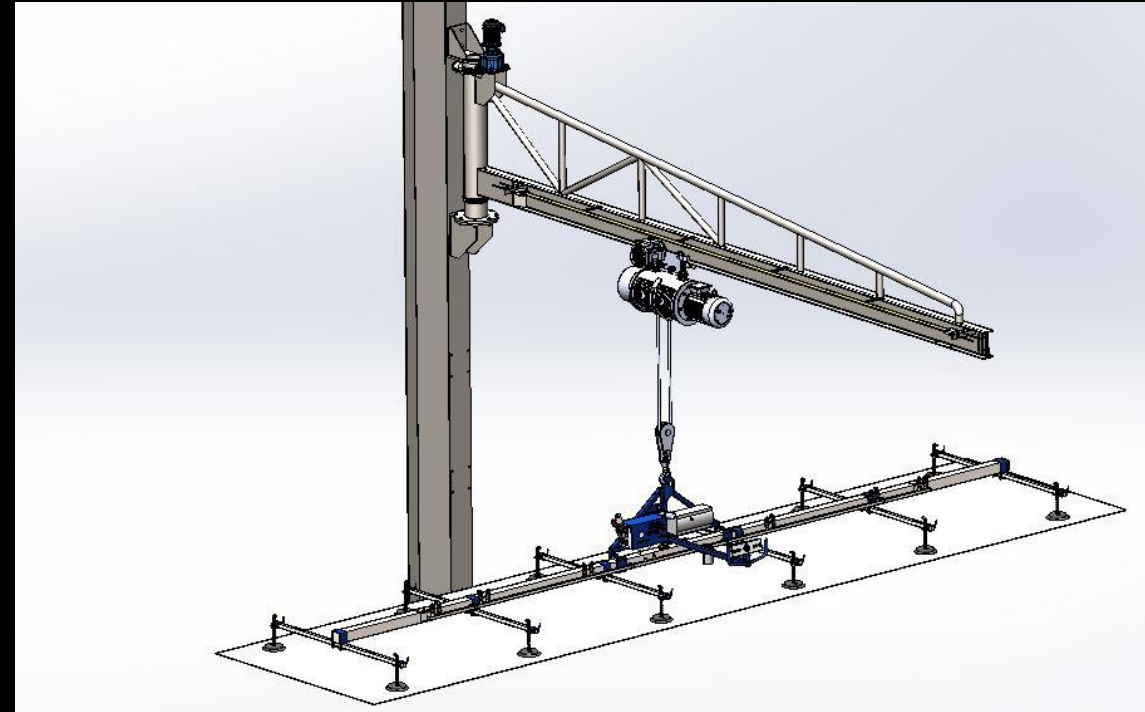
PRODUCT OVERVIEW

- Suitable for the horizontal handling of plates, sheets or panes
- Easy to operate, only one person required to safely lift the load
- Easy to install: hang – plug in – done
- Loads From 150 kg and 1500 kg with suction-tight surfaces
- The vacuum lifter is used on a chain hoist
- Special versions can be produced to meet customer needs
- The load is handled in a way that protects the material and avoid damage
- Fast and efficient work through the omission of the fastening



PRODUCT APPLICATIONS

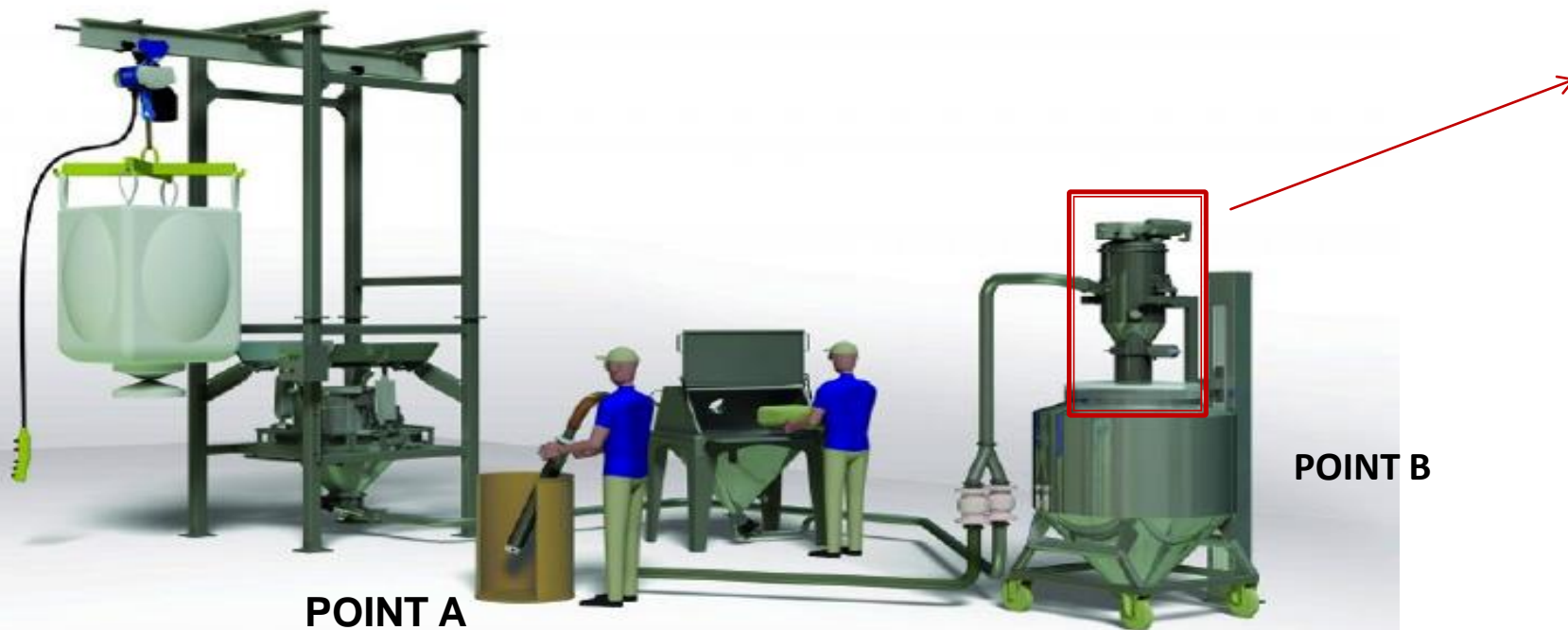
- Sheet metal processing and sheet metal cutting
- Metalworking and metal cutting
- Wood processing and woodcutting
- Loading of laser cutting machines
- Feeding of water cutting machines
- Loading of CNC machines
- Rearrangement of transported goods
- Transport of airtight sheet material such as glass, plastic, metal sheets, wood, composite sheets, etc.
- Loading and unloading of pallets, storage racks, etc.



UNIJET
PNEUMATICS

VACUUM CONVEYOR

FOR POWDERS & BULK SOLIDS



UNIJET VACUUM CONVEYOR

UNIJET's Vacuum Conveyor transport granulated bulk materials and powders under vacuum in dilute and dense phase through food grade hoses and rigid pipes from point "A" to point "B".

Vacuum Conveyor Models

- VacFLOW P – For Pharmaceutical Industries.
- VacFLOW F – For Food Industries.
- VacFLOW CP– For Chemical & Plastic Industries.
- VacFLOW T – For Capsule & Tablets.
- VacFLOW S – For Smart Conveying.
- controller
- Eliminates excess manpower.



UNIJET
PNEUMATICS

**VACUUM
CONVEYOR**
FOR POWDERS & BULK SOLIDS

ADVANTAGES

COMPARED WITH EXISTING METHOD

- Hygiene conveying of Materials.
- Rapid cleaning time.
- Less maintenance.
- Spillage and dust-free environment.
- Enhanced Flexibility.
- High return on investment.
- Quick Changeover product to product
- FDA Certified.
- Available in SS304,316 and 316 L
- Available From 100kg/hr to 3 ton/hr
- Electro pneumatic and fully pneumatic controller
- Eliminates excess manpower.

ALL OF ABOVE WE ARE FROM INDIA



UNIJET
PNEUMATICS

**VACUUM
CONVEYOR**
FOR POWDERS & BULK SOLIDS

BLENDER VACUUM LOADING

VacBLEND™ BVL (Blender vacuum Loading)

A unique adaptation of vacuum transfer is "direct blender loading," when a vacuum tight process vessel becomes the primary vacuum receiver for material being charged into it.

Direct blender loading offers major advantages over the manual charging of blenders, and also offers additional benefits over conventional conveying methods too.

As shown, a direct loading system offers greatly improved efficiency over the more commonly used method instead using the blender itself to pull a vacuum and draw the material from ground level. The direct loading method reduces the number of moving parts and improves efficiency by reducing convey times as the system operates on a continuous transfer. The conventional hopper is replaced with an inlet port on the blender, which the material charges into directly and continuously.



AIR OPERATED CONVEYOR FOR GRANULES

UNIJET's Air Operated Conveying system have virtually no moving parts, conveys material along with air at high velocity for long distances.

Application:

- Convey small dried food items.
- Fill or empty packaging material in shipping.
- Trim removal in paper production / printing.
- Convey all sorts of parts from screws, metal or plastic parts from machinery.



VACUUM VALVES

UNIJET
PNEUMATICS

- VACUUM PUMP
- VACUUM POPPET VALVE
- VACUUM NRV
- VACUUM SLIDE VALVE
- VACUUM FILTER
- VACUUM PADS
- SUCTION CUPS
- MOUNTING ACCESSORIES



Pneumatic Valves

PILOT OPERATED POPPET VALVES

UNIJET direct pilot & Solenoid operated valves can be used with air media where quick, positive control is required. With optional seals, they require no lubrication, making them ideal for non-lube air service.

Valves feature a large resilient poppet that provides bubble-tight closure, even under low pressure conditions. Aluminium construction and choice of seal materials provide excellent compatibility with air media. Top cover and bottom hex nut is easily removed for quick access to valve's one-piece poppet assembly. O-ring seals on poppet and O-ring pilot piston seal prevent controlled media from entering pilot chamber.



Pneumatic Valves

QUICK EXHAUST VALVES

UNIJET Quick exhaust valves provide rapid exhaust of control air when placed between control valve and actuator. The valve should be mounted directly in the cylinder's connection port and should be provided with a silencer. Diaphragm materials are available in Nitrile and Viton, to meet a wide variety of operating conditions.



Pneumatic Valves

NON RETURN VALVES

UNIJET Non-Return valve opens on a very low cracking pressure and closes at a low differential even at high pressure. The Non return valves feature a large, resilient poppet that provides soft-seat sealing for bubble tight closure, even under low pressure conditions. Gunmetal construction plus a choice of seal materials provide excellent compatibility with wide range of air media. The valve is efficient in operation while handling gases and liquids under pressure. Unijet check valves are perfect for applications requiring high pressures (up to 230 PSI standard).



Pneumatic Valves

SAFETY VALVES

UNIJET Safety valve or pressure relief valve is an automatic pressure relieving device that is mounted on a pressurized system to relieve the system of excess pressure when abnormal operating conditions cause the pressure to exceed a set limit. The primary purpose of a safety valve is the protection of life and property by preventing dangerous overpressure in vessels, lines or systems.



LIQUID TRANSFERING

COOLANT CLEANER

A coolant cleaner is a specialized system for cleaning the coolant sumps of machine tools. The sump contents usually consist of coolant and solids like metal chips. In just a few minutes, a sump cleaner will pick up everything in the sump-fluid as well as solids. The filter separates the solids from the fluid. Filtered coolant is returned to the machine tool sump or transported for additional processing.



LIQUID TRANSFERING

Liquid transfer (RDP)

Unijet air-powered, industrial coolant Sump cleaner are high-suction vacs that remove collected industrial fluids such as coolant, metalworking fluids, cutting fluids, etc. and solid waste along with fluid from reservoirs, tanks sumps and pits to help improve industrial and metalworking process.



THANK YOU

UNIJET

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