

Product Details: Display in IMTEX 2022

Vacuum Automation - Components: Vacuum components enable the safe and efficient handling of workpieces in automated processes. In particular, they find regular use in connection with robotics applications and automated gateways. Through the use of vacuum technology, decisive increases in productivity are gained in industries such as sheet metal, automotive, wood, packaging, synthetics, solar, electronics, automation, pharmaceuticals and many more.

The great variety of workpieces which can be handled using vacuum extends from sensitive small parts such as electronic components, solar wafers or CDs to paperboard and blister packaging, and all the way to furniture parts, heavy sheet metals or glass.

In all areas of automation technology, Schmalz customers benefit from qualified systems consulting and groundbreaking, innovative solutions. The Schmalz vacuum component product program range includes everything you need to build a fully operational vacuum system



Vacuum Lifting Devices Vacumasters: VacuMaster vacuum lifting devices are the ideal working materials for handling metal sheets, glass panes, wood and concrete sheets with a weight of up to 2,000 kg. The retention process is implemented by vacuum. Secure lifting of the load is accomplished by a chain hoist.

Because of its robust design, the vacuum lifting device VacuMaster has a long lifetime. Due to the compact and modular design, individual adaptation to various applications is no problem.

During the transport of heavy loads, safety is the top



priority. All VacuMaster versions feature a large vacuum reservoir and easy-to-read gauge. The audible warning signal or a decrease in the vacuum works even during power interruptions and thus guarantees maximum safety. Operator errors are prevented by a unique hand-gear valve.

Because of its low weight and good accessibility of control elements, even heavy loads can be handled easily. With our standard and specialized devices, we offer an appropriate solution for every application

Vacuum Tube Lifter Jumbo: The vacuum tube lifter Jumbo is particularly well suited for frequent and rapid lifting and movement of carton boxes, bags, barrels, wooden sheets and many other applications up to a weight of 300 kg. The retention and lifting process is implemented here exclusively with vacuum as a medium. To grip the load with few marks and lift it securely, neither chain nor rope hoist, nor manipulator or lift cylinder, are necessary.

The device can be easily adapted to individual requirements. It offers variable base components that can be combined in many different ways and assembled based on modular principles. Secure working is guaranteed with the tube lifter. A quick-reaction check valve and a large suction pad area prevent the load's dropping -- even during a power outage. The vacuum tube lifter, of course, meets the accident prevention rules according to BGR/BGV 500.

Crane Systems: Whether receiving or dispatching goods, the assembly line or the workplace in the production hall – aluminum crane systems from Schmalz ensure an ergonomic and efficient flow of materials and goods in all areas of intralogistics. The



responsive lifting devices have a modular design and can be easily integrated into any infrastructure.

Jib cranes improve the ergonomics when handling loads at the workplace. Different load classes as well as options for attachment to the floor, to walls or to existing pillars make a wide range of uses possible.

Overhead crane systems from Schmalz are designed using standardized modular elements according to individual customer requirements. Whether monorail, single bridge or multi bridge crane systems – an optimal use of space is guaranteed.

