



Magic

NEW

Grippers



■ Turtle Pumps

VMECA vacuum cartridges integrated Turtle pump which is the best solution for the vacuum application. Turtle pump is the all-in-one system, the air supply / vacuum release control valve, vacuum switch, vacuum filter are integrated in a body.

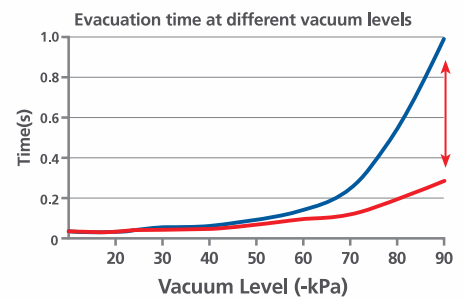
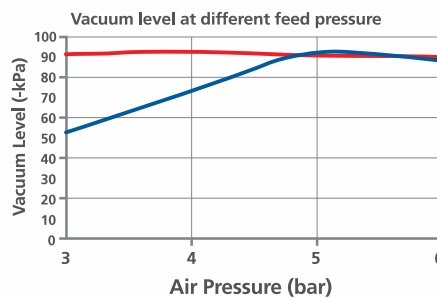
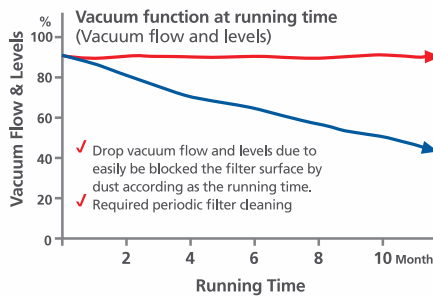
Features

- ✓ Integrated high dirt holding capacity pleated filter
- ✓ Automatic vacuum filter cleaning system
- ✓ Compact size and light weight
- ✓ VMECA Twofold Silencer assures low noise levels
- ✓ Optional Air-Saving (AS) kit available to minimize energy consumption
- ✓ High operational reliability despite fluctuating or low compressed-air pressure

**INTERNATIONAL
PATENT**



■ Comparison of Vacuum flow & level at running time



— **VMECA® Improved System** — **Typical installation (Old System)**

■ Vacuum Pumps

VMECA provides wide range of air-driven vacuum pump selection with high vacuum flow. With innovative vacuum cartridge technology, vacuum pumps operate with high reliable and stable according to the application suitable model can be used.



Vacuum Cartridge



Green Pump



Micro Pump



VD Pump



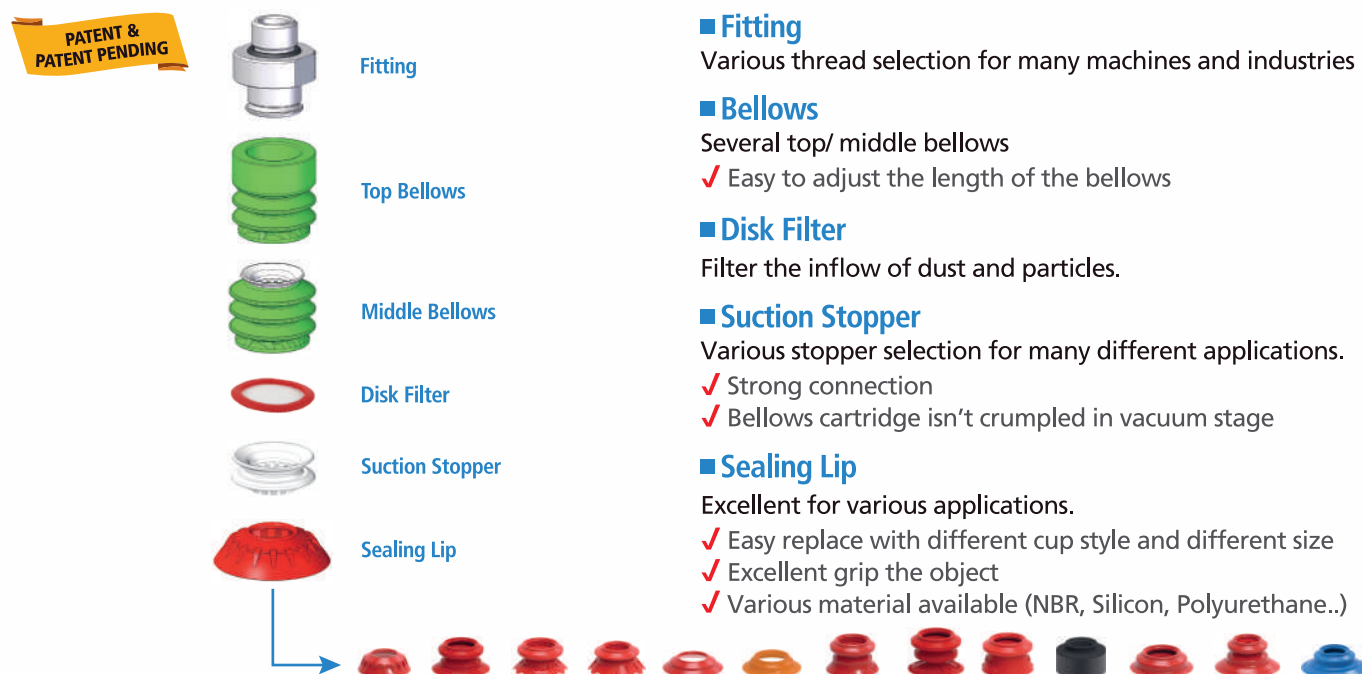
PM-Pump



Keyboard Pump

■ Magic Suction Cup

VMECA Magic Suction Cup is a unique configurable suction cup concept with individually optimized parts for gripping, lifting and height compensation. Magic Suction Cup can solve many problems when handling thin films, bags, pouches, carton box and many others. These Vacuum Cups reliably clip together to build a suction cup suitable for each individual product or application. A wide range of different bellows and sealing lips for height compensation, lips and inserts are available to meet many industrial applications.



■ Fitting

Various thread selection for many machines and industries

■ Bellows

Several top/ middle bellows

✓ Easy to adjust the length of the bellows

■ Disk Filter

Filter the inflow of dust and particles.

■ Suction Stopper

Various stopper selection for many different applications.

✓ Strong connection

✓ Bellows cartridge isn't crumpled in vacuum stage

■ Sealing Lip

Excellent for various applications.

✓ Easy replace with different cup style and different size

✓ Excellent grip the object

✓ Various material available (NBR, Silicon, Polyurethane..)

■ Suction Cup

VMECA suction cup includes a variety of suction cups with various shapes, sizes and materials, providing the right suction cup for every application. Suction cups consist of a suction cup and a pad fitting.

Level Compensators

wide range of mounting possibilities for integrating suction cups or special grippers into a vacuum system.

Vacuum Filters

Filters protect the vacuum generator from contamination.

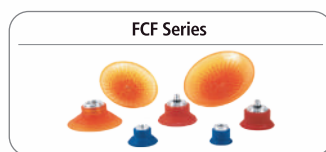
■ Flat Suction Cups (Round)



■ Bellows Suction Cups (Round & Oval)



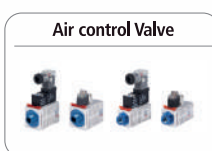
■ Suction Cups for Handling Metal Sheet and Glass



■ Level Compensator

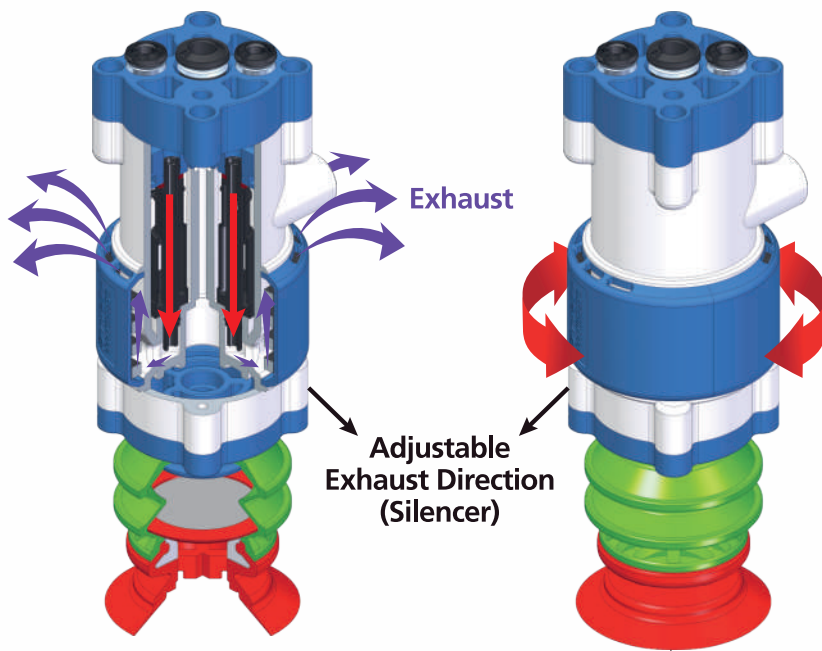


■ Vacuum Accessories

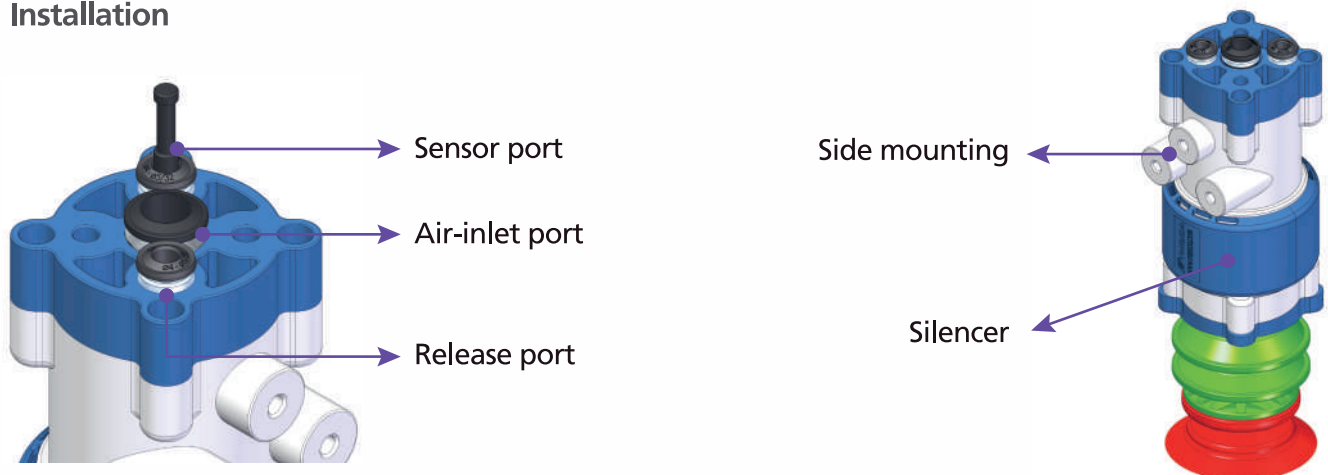


Magic Grippers | MV-Series

- ✓ Fast response & excellent performance
- ✓ Cost efficient
- ✓ Integrated vacuum cartridge
- ✓ Various Magic suction lips
- ✓ Low noise level
- ✓ Individual vacuum systems

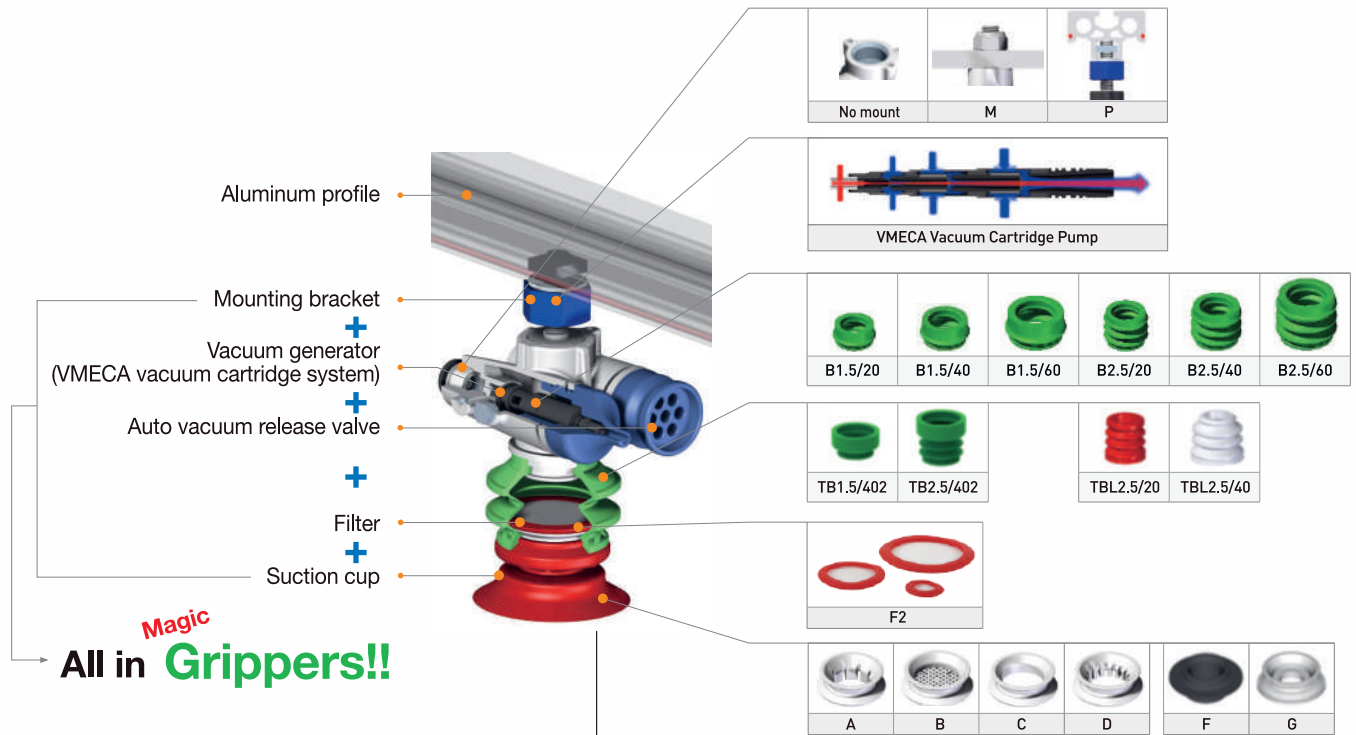


Installation



Magic Grippers | MC-Series

- ✓ Fast response & excellent performance
- ✓ Easy to build vacuum system
- ✓ Cost efficient
- ✓ Integrated vacuum cartridge
- ✓ Various Magic suction lips
- ✓ Low noise level (44 dB)
- ✓ Individual vacuum systems



All in Magic Grippers!!



MBU lip

Curved objects



MD lip

Round corner
Deep angle



S lip

Uneven surface



MU / MF lip

Metal sheet
Veneer sheet



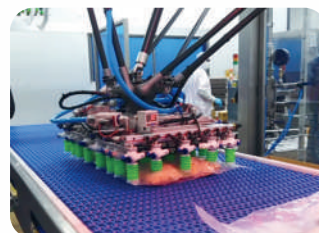
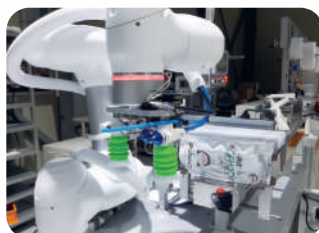
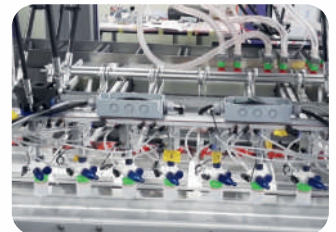
PP lip

Bag opening



C lip

Cans



■ BOT-Gripper (Bottle Gripper)

VMECA's BOT-Gripper features a high-speed grip and release solution powered by air controlled internal grip tubes that picks up bottles at the neck. Internal grip tubes are made from rubber and urethane compounds, and require low compressed air pressure and operates in a closed circuit controlled by standard air on/off control valves.

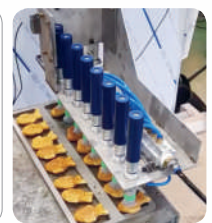
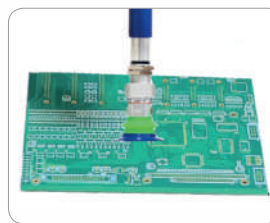
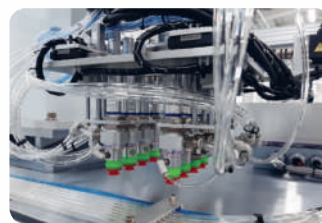


Features

- ✓ Pick-up and transfer different shapes and sizes of bottles
- ✓ Various pick up head sizes available
- ✓ Strong grip forces achieved with low air pressure
- ✓ Durable grip tube (PU) material for long product life
- ✓ Simple and light weight structure
- ✓ No need release valve (integrated quick release function module)

■ Premium Speeder (PS-Pump)

Premium Speeder's design allows dusty materials to be handled without clogging the vacuum pump nozzle. Premium Speeder is Magic Suction Cup combined with the vacuum generator as a single solution. Stainless steel models are available with food-grade suction lips for food and pharma applications.



Features

- ✓ One Body Structure (Magic Cup + Vacuum Generator)
- ✓ Stable performance for porous applications
- ✓ Excellent for irregular-surface products - ex) PCBs
- ✓ Various shape and materials of suction lips and stoppers are available
- ✓ No clogging from dust/ particles.
- ✓ AL (Aluminum) and SUS (Stainless Steel) material available
- ✓ Able to use for watery object handling

■ Water Free (Mini Water Dryer)

VMECA Water-Free will help you protect and remove up to 99.9% of the moisture in air line with minimal pressure. The Water-Free requires no maintenance and electricity which can also increase your pneumatic products lifetime.



Features

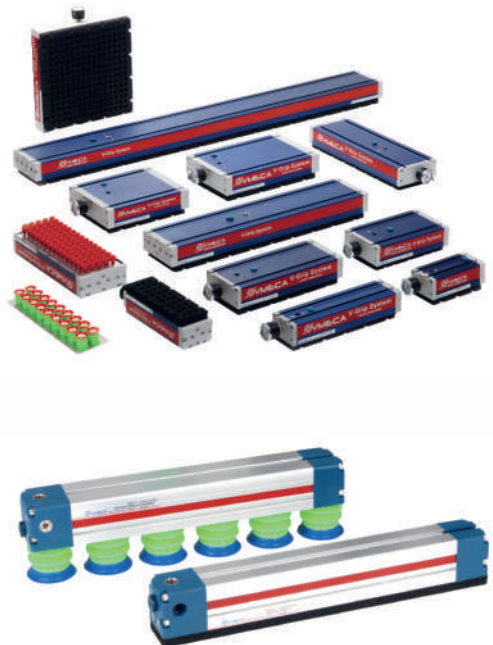
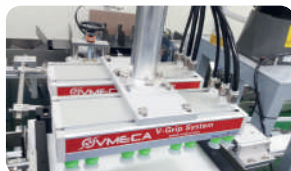
- ✓ Minimal pressure loss
- ✓ No maintenance
- ✓ Moisture removal up to 99.9%
- ✓ No electricity and simple dynamics design and
- ✓ No effect in performance by time, flow rate moisture proportion

■ V-Grip (Vacuum Gripper System)

Based on the integrated vacuum cartridge pump with flexible sealing foam or magic suction cups, V-Grip System can handle various products with different shapes and size materials.

Features

- ✓ Handling various products with different shapes and sizes material
- ✓ Flexible sealing foam to excellent grip both even & uneven surface products.
- ✓ Low energy consumption
- ✓ Durable and light weight aluminum body frame.
- ✓ Easy installation and low maintenance.
- ✓ Optional standard, adjustable or suction cup array types are available.



■ Vacuum Conveyor

Why!! we are VMECA Vacuum Conveyor System

- ✓ Minimal Maintenance
- ✓ Automatic Filter Cleaning System
- ✓ Low Energy Consumption
- ✓ Simple to Install
- ✓ Compact Size
- ✓ Easy to Clean
- ✓ Dustless Conveying
- ✓ Made of Acid-Proof
- ✓ Polished Stainless Steel
- ✓ Low Noise Level



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