

New

VMECA

Innovative Vacuum &
Mechanical Technology



Stamping line



Body Line



Assembly line

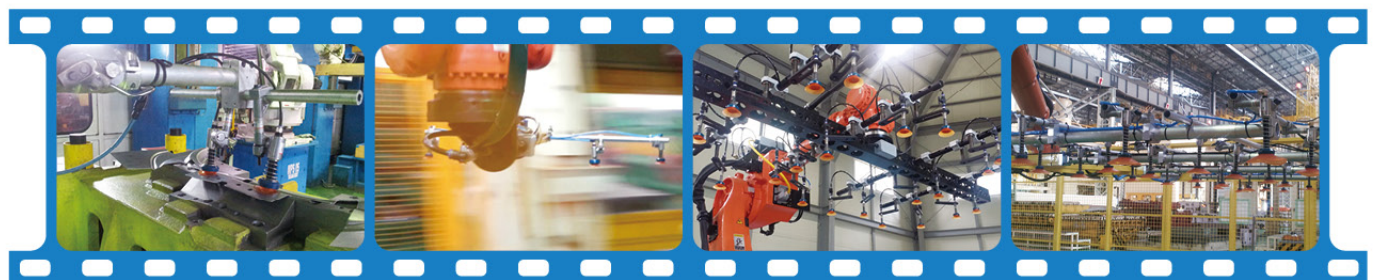
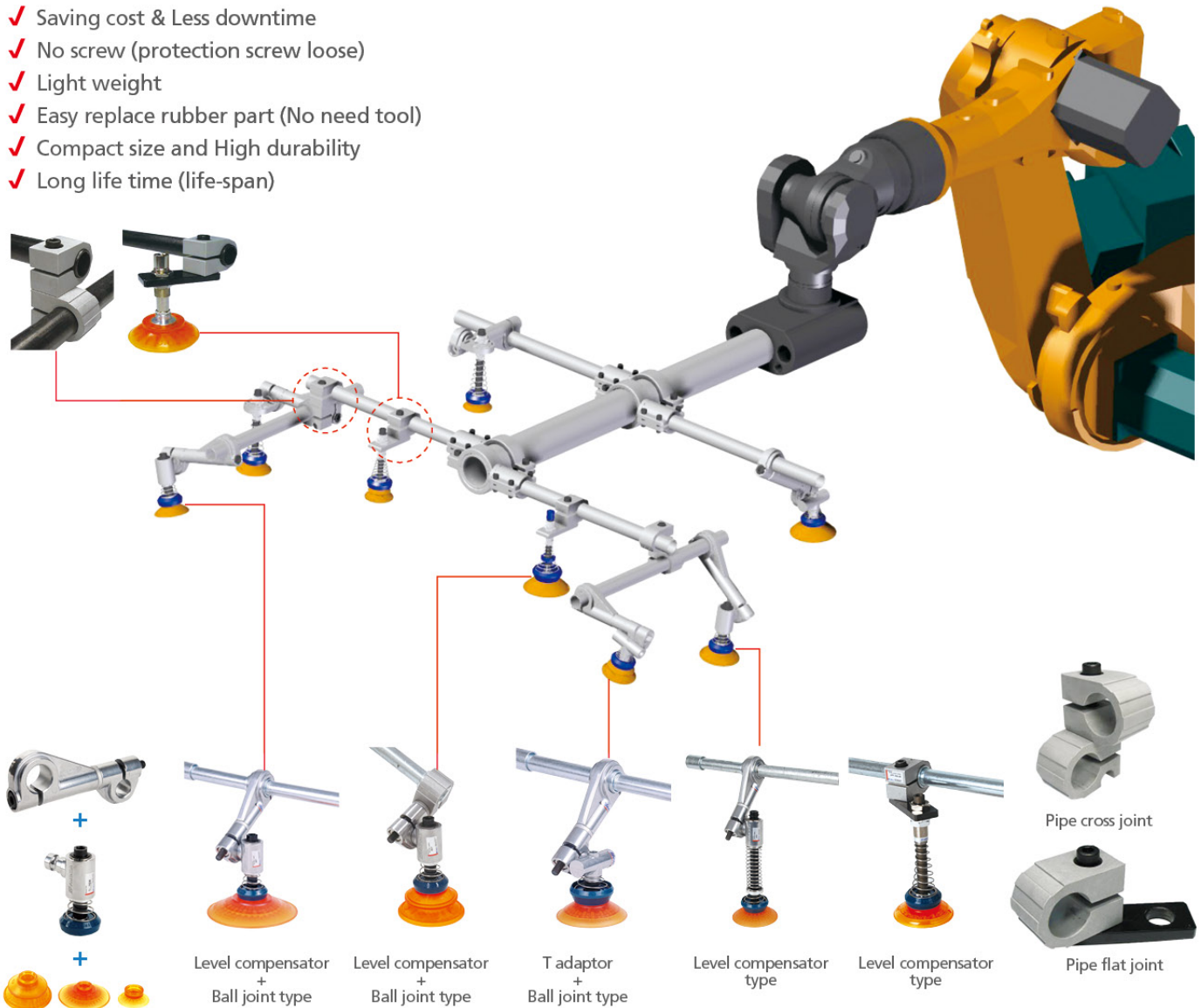


■ VSA system (VMECA Swivel Arm system)

VMECA VSA system performs best performance in various application of automobile industry. VSA can be combined wide range of adaptor and suction cup in order to be fitted in your application. Also it features compact size and light weight.

Features

- ✓ Flexible and various combination of VSA system for customer's application
- ✓ Quick attachable
- ✓ Easy to assemble and disassemble
- ✓ Saving cost & Less downtime
- ✓ No screw (protection screw loose)
- ✓ Light weight
- ✓ Easy replace rubber part (No need tool)
- ✓ Compact size and High durability
- ✓ Long life time (life-span)



■ Smart Suction Cups

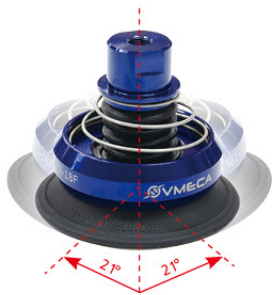
VMECA Smart cup has been designed with a unique technology. It doesn't require any tools or screws to assemble or disassemble the suction cup. Through this, the suction cup is easily interchangeable with other cup styles.

Features

- ✓ Wide angle (Max. angle $\pm 21^\circ$)
- ✓ Always returns back to center position
- ✓ No need for tools and screws to assemble or disassemble
- ✓ Integrated low friction Level Compensator
- ✓ Spiral Spring (Triangle Shaped) is compressed with no extra wasted space
- ✓ Easily interchanges with other cup styles
- ✓ Less downtime & High productivity
- ✓ Reduction of workforce & Saving cost



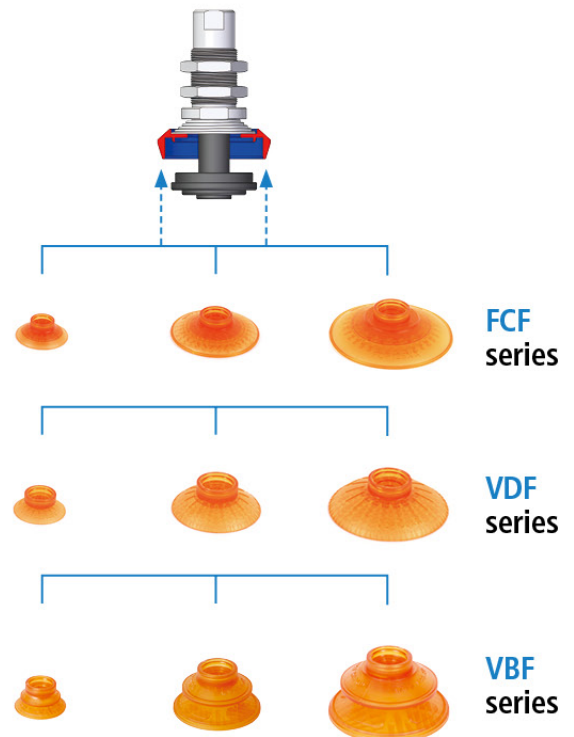
■ Ball Joint Type



- ✓ Ball joint integrated
- ✓ Always return back to center position
- ✓ Wide Angle (Angle : $\pm 21^\circ$, Total 42°)
- ✓ Excellent for slightly curved products



■ Interchangeable with various suction cup type



* There are different types and material (PU, Silicon, NBR) of Suction cups that you can apply for various applications.



■ Valock system

VMECA Valock system is automatically positioning and powerfully fixes a shaking part to transfer work piece safely. It is possible to handle various shapes and angles of products with one jig.

Features

- ✓ Automatic flexible positioning and fixing depending on the angles of the products
- ✓ No vibration and their position during pick and place
- ✓ Available various angle of products with one VALOCK

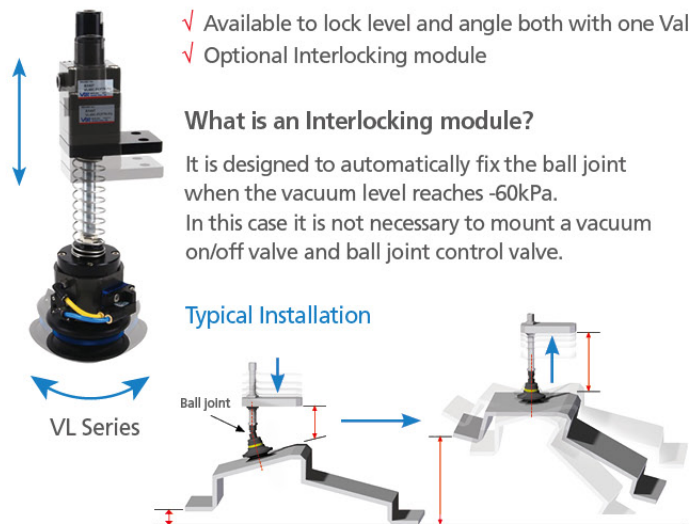
■ Valock System (VL Series)

- ✓ Available to lock level and angle both with one Valock
- ✓ Optional Interlocking module

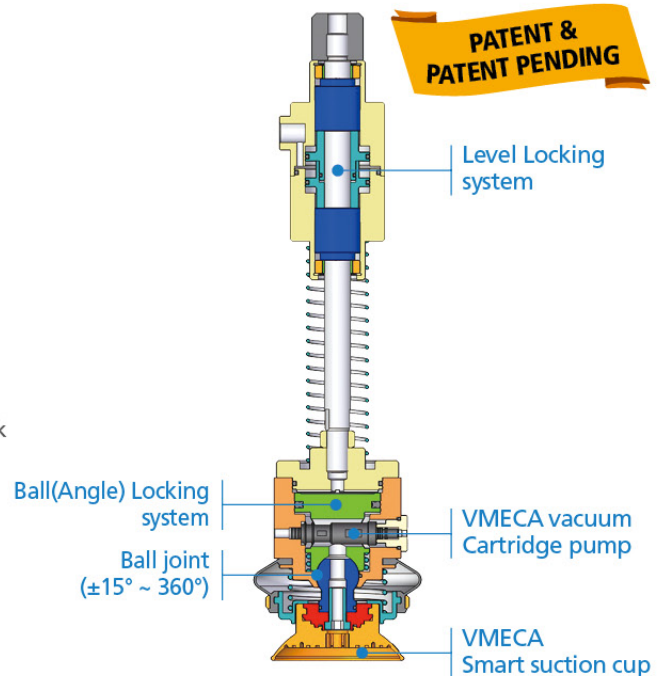
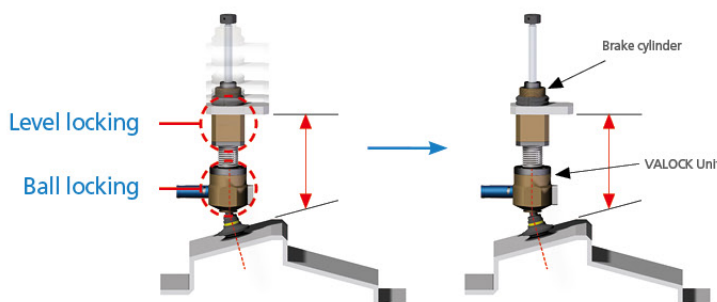
What is an Interlocking module?

It is designed to automatically fix the ball joint when the vacuum level reaches -60kPa. In this case it is not necessary to mount a vacuum on/off valve and ball joint control valve.

Typical Installation

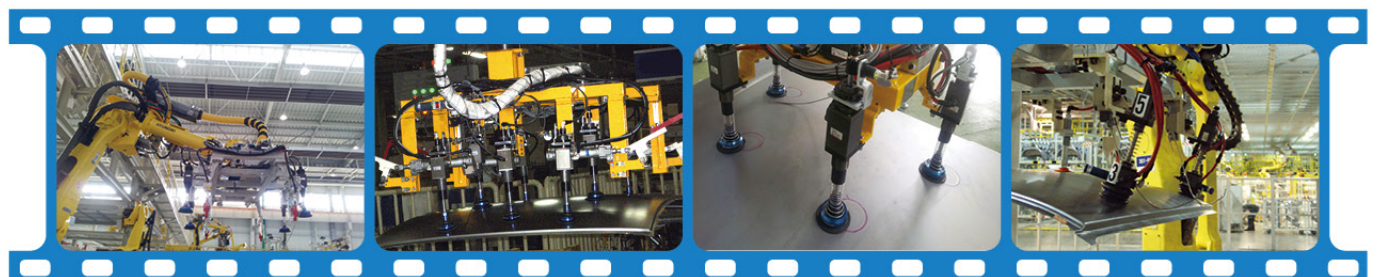


New solution with VALOCK



■ Valock System (VS Series)

- ✓ Various angle & shape cover up
- ✓ Automatically positioning and powerfully fixes (More than 3pcs, no need ball lock – angle lock)
- ✓ Precise loading & unloading
- ✓ Easy maintenance & replacement

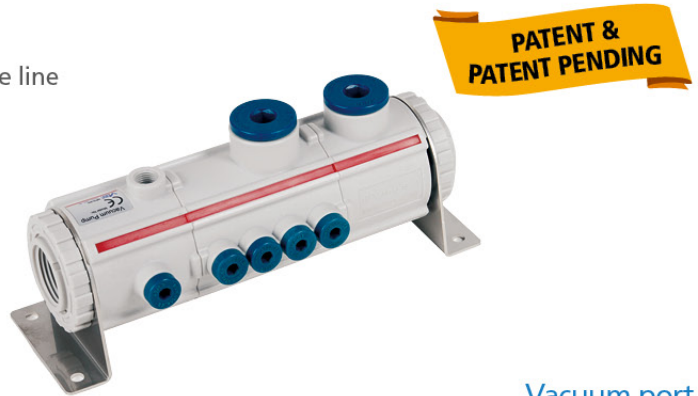


■ Magic Vacuum Pump

Magic pump can use various port with adjustable direction according to your application. Also vacuum filter is integrated inside, so no need of additional filter separately.

Features

- ✓ Available to rotate the direction of vacuum port and pipe line
- ✓ Various choice of vacuum port and release port
- ✓ VMECA cartridge pump integrated
- ✓ High vacuum flow with low energy consumption
- ✓ Filter integrated and Auto-cleaning system
- ✓ Easy to assemble and disassemble without tool
- ✓ Light weight and durable body
- ✓ No need of distributor separately
- ✓ Resistance to corrosive



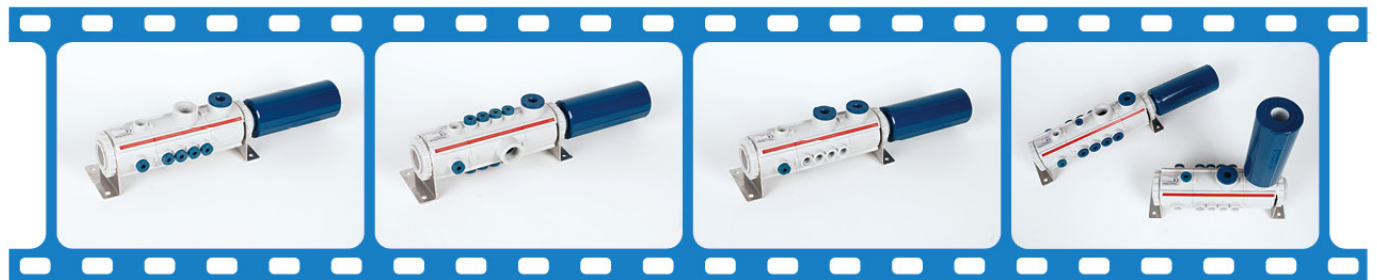
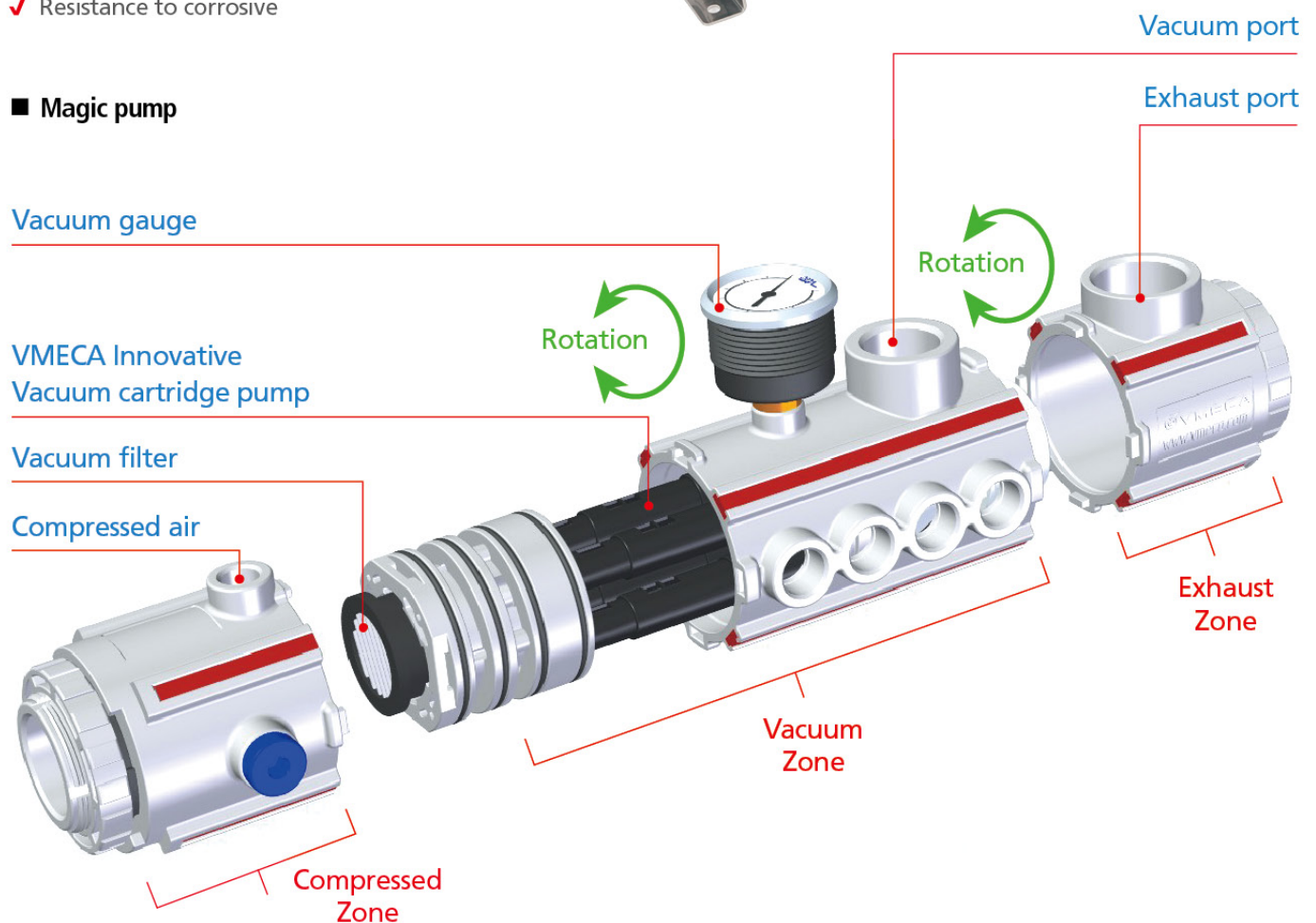
■ Magic pump

Vacuum gauge

VMECA Innovative Vacuum cartridge pump

Vacuum filter

Compressed air

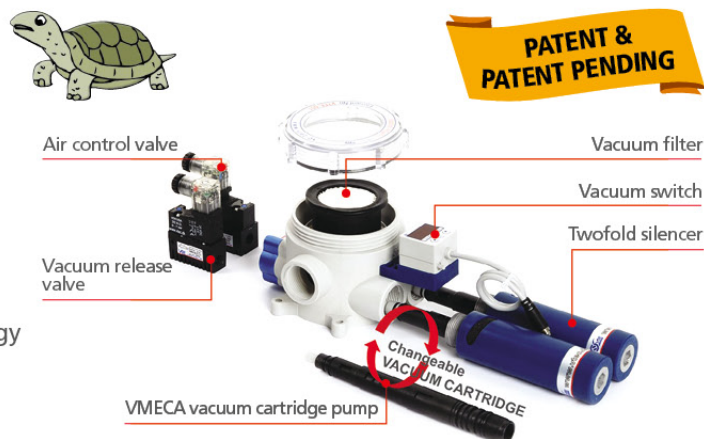


■ Turtle Vacuum Pump

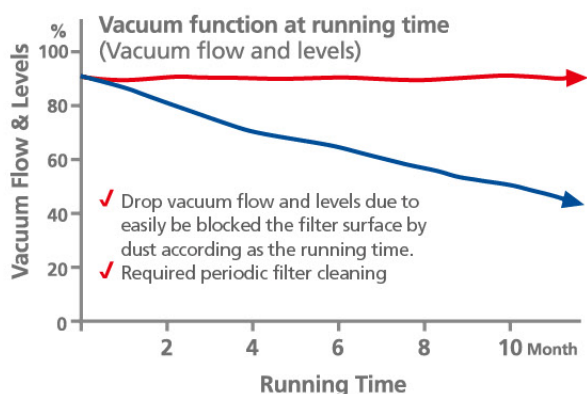
VMECA Vacuum cartridges integrated Turtle pump which is the best solution for the vacuum application. Turtle pump is the all-in-one system, the air supply / vacuum release control valve, vacuum switch, vacuum filter are integrated in a body

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
- ✓ High operational reliability despite fluctuating or low compressed air pressure
- ✓ Optional Air-Saving (AS) kit available to minimize energy consumption



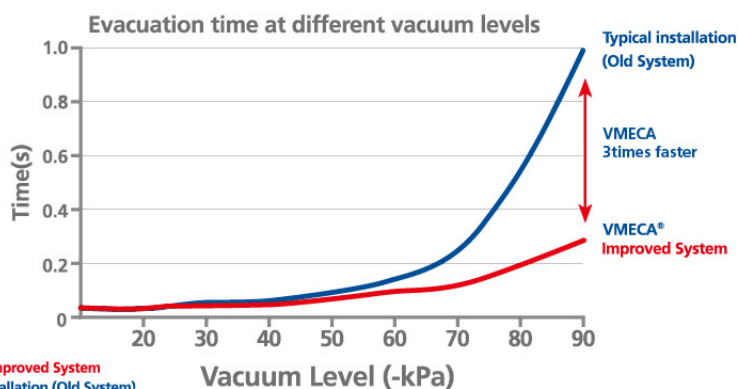
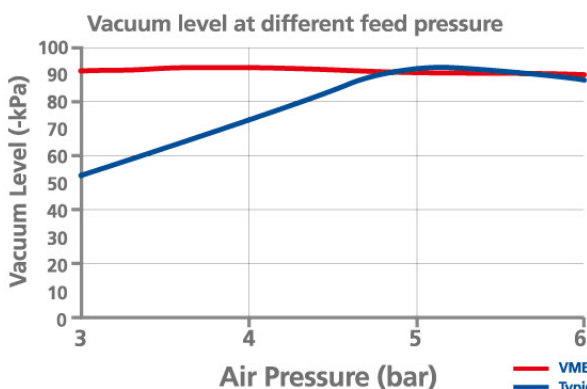
■ Comparison of Vacuum flow & level at running time



- ✓ VMECA® Turtle pump with built-in **filter automatic cleaning system** eliminates drop vacuum flow and vacuum levels.
- ✓ Constant vacuum flow & vacuum level.

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

■ Comparison of Vacuum level at different feed pressure



■ V-Grip system (Vacuum Gripper System)

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

Features

- ✓ Handles various products with different shapes, size and material.
- ✓ Flexible sealing foam to excellent grip both even & uneven surface products
- ✓ Adjustable check valve holes & perfect closure of the idle suction ports
- ✓ Durable and light weight aluminum body frame
- ✓ Easy installation and low maintenance
- ✓ Optional standard, adjustable or suction cup array types are available
- ✓ Strong Lifting force
- ✓ Excellent Gripping for any position (Vertical & Horizontal position)
- ✓ Various size option for your application



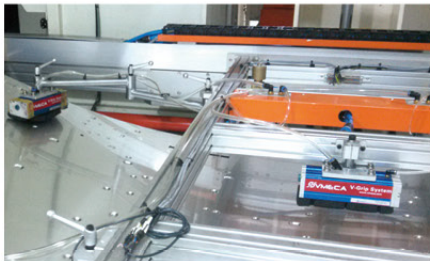
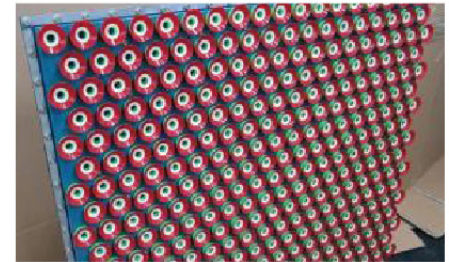
■ Sealing foam type



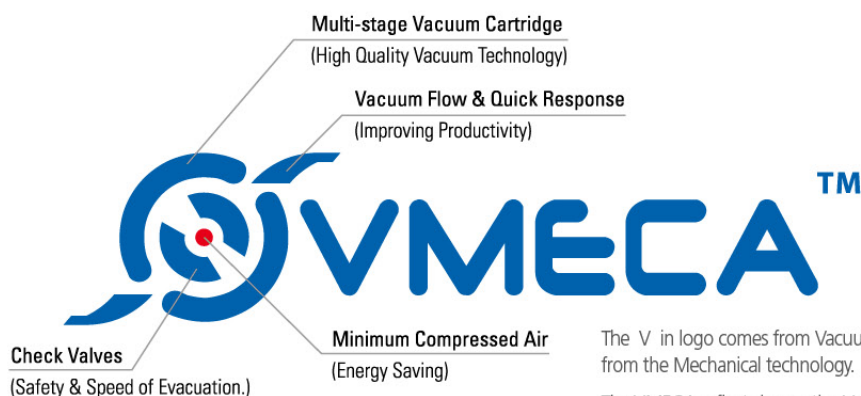
■ Magic Suction cup



■ Customized product



■ VMECA Brand Identity



The V in logo comes from Vacuum technology and MECA comes from the Mechanical technology.

The VMECA reflects innovative Vacuum and Mechanical technology that combines well and supplies complement system to the customers.

■ VMECA Mission

Our goal is to offer customers a way to save energy by using the most advanced technology which is orientated to "customer's satisfaction" and "eco-friendly" environment while giving the best quality products out in the market.



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