

VACUUM

PRODUCTS OVERVIEW

2022



Increased flexibility, efficiency
and productivity.



Industries



We offer tailored solutions for any application and fully satisfy all needs in the most innovative industrial sectors.



Automotive

Specific components for car and body assembly applications, as well as moulding lines for press departments.



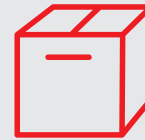
Wood

Suction cups with high wear resistance, ideal for handling porous and uneven surfaces. Vacuum pumps with integrated blow-off and tolerant of dust, which is typically present in the sector.



Plastic

Full range available for the sector. Vacuum pumps easily integratable in EOATs, extremely lightweight, with compact form factor and complete with integrated configurations. Suction cups are mark-free and high-temperature-tolerant.



Packaging

Full range of high-performance polyurethane suction cups. FDA-approved suction cups for handling flow packs, cartons and unpackaged food.



Pharma & Medical

Compliant and certified products, ideal for the pharmaceutical and medical industries. Pumps with integrated control logic for low energy consumption.



Logistic

Custom projects using 3D printing technology to ensure greater flexibility in gripping and meeting customer requirements.



Metal sheet

Suction cups with high grip and high shear strength to handle irregular sheet metal, even in the presence of oil.



Glass

Mark-free suction cups, suitable for regular, irregular/curved surfaces.



Suction cups



SHEET METAL AND GLASS APPLICATIONS



VG.MB + VG.MF

- Handling metal sheet with or without oil
- High wear resistance
- Permanent fittings with hexagon



NBR · PU



VG.U + VG.B + VG.B.SFO + VG.LB + VG.LB.SFO + VG.CF

- Universal and plastic applications
- Suitable for standard application, flat and slightly curved surface
- Excellent grip stability, cleats increase the friction and avoid deformation



NBR · HNBR · Red Silicone · Transparent FDA Silicone

WOOD AND POROUS SURFACE APPLICATIONS



VG.BP + VG.GX + VG.IS

- Excellent gripping performance on corrugated and porous surface
- Available with 2.5 and 1.5 bellows (overturn applications)
- Large and very thin lips in the version PUR 30/60 Shore grey/red



PU 50 Shore green · PUR 30/60 Shore yellow/green - grey/red

HOT SURFACE AND POLYMER APPLICATIONS



VG.PAAT

- Ideal for objects (made of hot polymers and fibres) with flat or slightly curved surface
- Stainless steel nipple
- Suitable for high working temperatures up to 300 °C



PTFE

PACKAGING APPLICATIONS - SNACKS & BAGS



NEW



VG.FP + VG.BC + VG.SBC

- Ideal for handling packaged flow pack products, packets of cookies and bars
- Robust bellows, soft flexible lip and specific high flow fittings



Red Silicone
Transparent FDA Silicone

VG.BPG + VG.LPG

- Ideal for handling difficult-to-handle items such as bags and flow packs
- The versions without internal insert are ideal for handling unwrapped products such as pralines or biscuits with porous and uneven surfaces



Transparent FDA Silicone



VG.BR + VG.LBR

- Suitable for handling snacks and food bars packed in flowpack
- Ideal for gripping and depositing on the side of the handled object



Polyurethane 50 Shore



VG.FO

- Ideal for opening bags, vertical and horizontal packaging machines
- Handle thin and sensitive sheets, such as paper and plastic films



Transparent FDA Silicone



Vacuum pumps



VACUUM PUMPS FOR DECENTRALIZED AND CENTRALIZED APPLICATIONS



SMALL

0.18 ÷ 0.5 NI/s

MEDIUM

0.57 ÷ 2.7 NI/s

LARGE

2.6 ÷ 24 NI/s



EJ-BASIC

- Ideal for decentralized applications
- Possibility of integration close to the gripping point, low weight
- Available with two and three stages; EJ-MEDIUM cartridges (EJ-LP, EJ-HF, EJ-HV)



EJ-LINE

- Ideal for pick & place applications
- Vacuum pump in-line
- Clampable in-line design, to optimize overall dimensions
- Low weight



EJ-SYS

- Manifold in Aluminum, Sensing and blow-off port
- Integrated silencer
- Available with two and three stage cartridges (EJ-LP, EJ-HF, EJ-HV)

EJ-MEDIUM · EJ-MEDIUMx2
with integrated silencer

EJ-SMALL · EJ-MEDIUM
(EJ-LP, EJ-HF, EJ-HV)

EJ-SMALL · EJ-MEDIUM · EJ-LARGE
with integrated silencer

LIGHTWEIGHT AND MODULAR VACUUM PUMPS



SMALL

0.18 ÷ 0.5 NI/s

MEDIUM

0.57 ÷ 2.7 NI/s

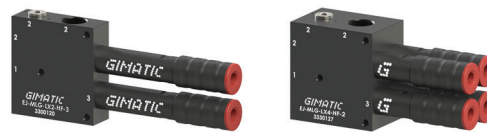
LARGE

2.6 ÷ 24 NI/s



EJ-SLG

- High suction flow rate/low weight
- Manifold in POM material
- Available with vacuum switch integrated
- Available with two and three stages; EJ-MEDIUM and EJ-LARGE cartridges (EJ-LP, EJ-HF, EJ-HV)



EJ-MLG

- Modular and configurable
- Manifold in POM
- Designed for centralized vacuum system
- Available with 2, 3 or 4 EJ-LARGE cartridges with two or three stages
- Sensing and blow-off connections

EJ-MEDIUM · EJ-LARGE with integrated silencer

EJ-LARGE 2 or 3 stage

VACUUM PUMPS WITH INTEGRATED BLOWOFF AND QUICK DEVICE



SMALL

0.18 ÷ 0.5 NI/s

MEDIUM

0.57 ÷ 2.7 NI/s

LARGE

2.6 ÷ 24 NI/s



EJ-BLOWOFF-MEDIUM

- Adjustable integrated blow-off tank
- Keeps the ejector clean and releases the handled product quickly
- Available with or without integrated vacuum switch



EJ-ATM-LINE

- Restores atmospheric pressure inside the gripper for quick product release
- A single 3/2 valve controls the vacuum pump and the ATM release

NEW



EJ-BSV-MEDIUM

- Ideal for applications in dusty environments
- Adjustable integrated blow-off tank
- Available with vacuum switch integrated
- Integrated silencer
- Anodised aluminium manifold

EJ-MEDIUM · EJ-MEDIUMx2

EJ-SMALLx2 · EJ-MEDIUM
with integrated atmospheric quick
release valve

EJ-MEDIUM 2 stage (EJ-HF · EJ-HV)
high suction flow rate and low energy
consumption

BOOSTER - HIGH VACUUM FLOW FOR POROUS SURFACE APPLICATIONS



EJ-BBT BOOSTER

- Ideal for applications where a high suction flow rate is required at low vacuum degrees
- Transport of waste scraps and residual dust

Ø 10, 20, 30 and 40 mm

VACUUM PUMP WITH INTEGRATED SMART FUNCTION

NEW



UP TO
2.5 NI/s



EJ-XPRO

- Easy to install
- Powerful and reliable
- Simplified maintenance
- Compact dimensions
- Configurations complete with solenoid valves for vacuum generation (NC/NO) and blow-off
- Maximum vacuum level up to -95 kPa
- Suction flow rate up to 150 NI/min.
- Integrated blow-off with manual adjustment



Multistage cartridges for integration

MULTISTAGE EJECTORS FOR CUSTOM INTEGRATION

EJ-SMALL/MEDIUM/LARGE for custom integration solutions

- EJ-HF: High Vacuum Flow; Max Vacuum: -73 kPa
- EJ-HV: Extra Vacuum Level; Max Vacuum: -94 kPa
- EJ-LP: Low feed pressure; Max Vacuum level: -88 kPa



System accessories

VACUUM SWITCHES

VACUUM SWITCHES

- Electromechanical vacuum switch
- Electromechanical vacuum switch, NO/NC, adjustable
- Pneumatic vacuum switch, NC, adjustable
- Analogue spring vacuum gauge
- G1/8" and Push-in 6mm; PNP/NPN; pre-set: -30, -50, -70 [kPa]
- Connection M8x1 3-pin
- 2 size/3 types





Via Enzo Ferrari, 2/4
25030 Roncadelle (BS) ITALY

tel. +39 030 2584655
fax +39 030 2583886

info@gimatic.com
www.gimatic.com



Sales Network

