

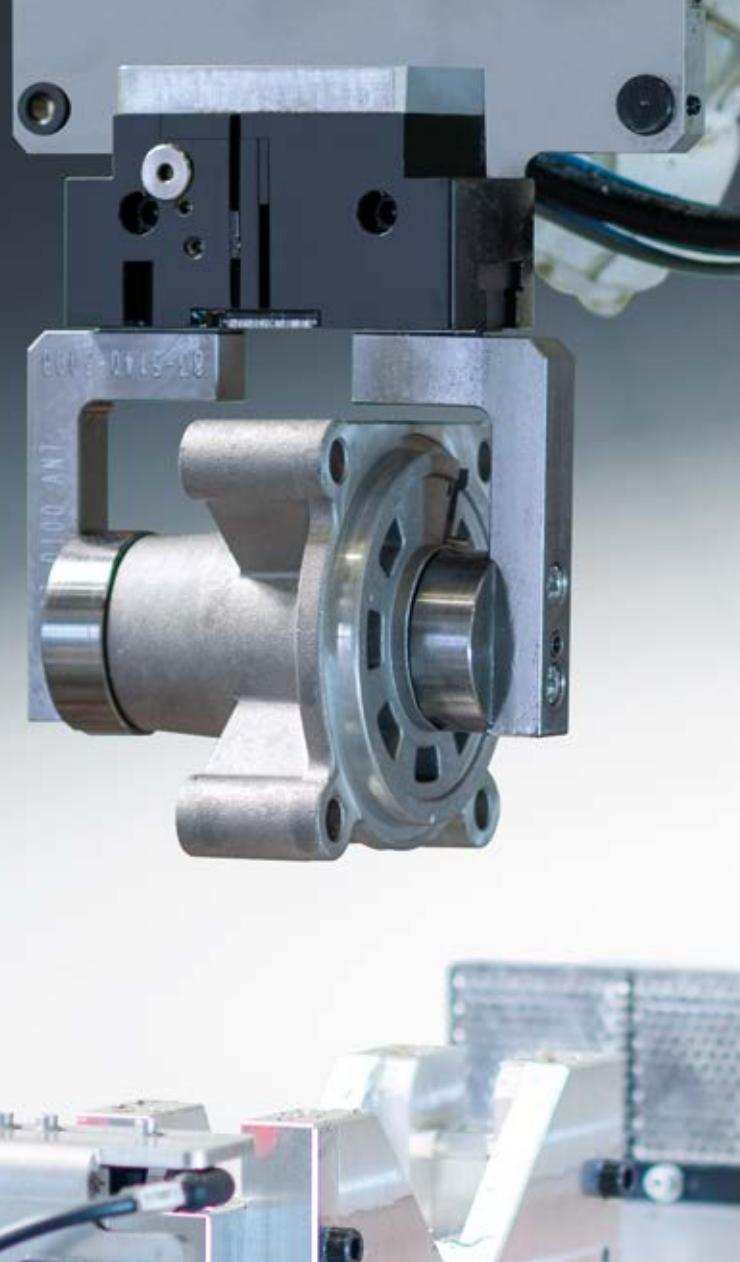
HANDLING SOLUTIONS

Grippers and vacuum components
to improve your industrial processes



RELIABILITY AND FLEXIBILITY IN A COMPACT DESIGN

Modern industrial processes in which an ever-increasing amount of automation is required, handling is of essential importance to increase the productivity and performance of machinery.



Grippers, tool changer and vacuum components are available in a range of different versions **and sizes and are made to meet market demands** in terms of miniaturisation, reliability, flexibility and adaptability.

Our wide range of handling solutions will provide the best solution for every application sector, from material handling and assembly to robotics and machine tool loading and unloading up to the most **complex mechatronic application required by Industry 5.0.**

SECTORS

- Packaging
- Food & Beverage
- Plastics & Rubber
- Life Science
- Automotive
- Electronic Systems
- Material Handling
- Assembly & Robotics
- Machine Tools

Conceived for any application



Machine
Tending



Pick & Place



Pick & Hold



Feeding



Sorting



Testing and
Quality Control



Palletising



Transferring



PNEUMATIC GRIPPERS

All grippers are optimised in terms of weight and dimensions, to facilitate the connection to different handling systems, from gantry to anthropomorphic and collaborative robots.

Long stroke parallel grippers with sliding guide

Series CGPW

New



Sizes: 25, 40
Total force: 500 ÷ 1000 N
Stroke per jaw: 20 ÷ 80 mm
Version: Double acting

BENEFITS

- Robust and compact design
- High opening/closing repeatability
- High resistance to external loads

APPLICATIONS

- Palletizing
- Pick & Place

SECTORS



Material Handling



Packaging

Long stroke parallel grippers with ball guide

Series CGPL



Sizes: 8, 12, 16, 20
Total force: 38 ÷ 282 N
Stroke per jaw: 4 ÷ 40 mm
Version: Double acting

BENEFITS

- Compact and light design
- High speed opening & closing
- High repeatability

APPLICATIONS

- Pick & Place
- Inserting

SECTORS



Assembly & Robotics

Parallel grippers with T-guide

Series CGPT



Sizes: 16, 20, 25, 32, 40, 50, 63, 80
Total force: 70 ÷ 4006 N
Stroke per jaw: 2,5 ÷ 25 mm
Versions: Single and double acting

BENEFITS

- High resistance to external static and dynamic loads
- High closing/opening repeatability
- Protected from penetration by impurities

APPLICATIONS

- Machine Tending
- Pick & Place
- Pick & Hold
- Palletizing

SECTORS



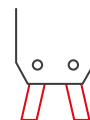
Assembly & Robotics



Material Handling



Machine Tools



Compact, parallel grippers
with T-guide

Series CGSP



Sizes: 20, 25, 32, 40
Total force: 30 ÷ 214 N
Stroke per jaw: 2 ÷ 6 mm
Version: Single and double acting

BENEFITS

- Compact and light design
- Compatible with magnetic proximity switches or inductive sensor kits
- Protected from penetration by impurities

APPLICATIONS

- Transferring
- Inserting
- End of arm Tooling (EOAT)

SECTORS



Assembly



Plastics & Rubber



Food & Beverage



Cosmetics & Pharma



Packaging

Parallel grippers
with H-shaped guide

Series CGPM



Sizes: 12, 16, 25, 35, 45
Total force: 28 ÷ 1082 N
Stroke per jaw: 2,65 ÷ 20,5 mm
Versions: Single and double acting

BENEFITS

- Robust, compact and light design
- High closing/opening repeatability
- Protected from penetration by impurities

APPLICATIONS

- Machine Tending
- Pick & Place
- Pick & Hold
- Palletizing

SECTORS



Assembly & Robotics



Material Handling



Machine Tools

Parallel grippers with
double ball bearing guide

Series CGPS



Sizes: 10, 16, 20, 25, 32
Total force: 20 ÷ 512 N
Stroke per jaw: 2 ÷ 10 mm
Versions: Single and double acting

BENEFITS

- Highly flexible mounting
- High closing/opening repeatability
- Protected from penetration by impurities

APPLICATIONS

- Transferring
- Inserting
- Machine Tending
- End of arm Tooling (EOAT)

SECTORS



Assembly & Robotics



Plastics & Rubber

PNEUMATIC GRIPPERS

Wide opening parallel grippers **Series CGLN**



Sizes: 10, 16, 20, 25, 32
Total force: 10,5 ÷ 292 N
Stroke per jaw: 10 ÷ 80 mm
Version: Double acting

BENEFITS

- Robust and light design
- Highly flexible mounting
- Wide range of strokes available

APPLICATIONS

- Palletizing
- Pick & Place

SECTORS



Material Handling



Packaging

Radial grippers 180° opening **Series CGSY**



Sizes: 10, 16, 20, 25
Total torque: 24 ÷ 292 N
Jaw opening: 2x90°
Version: Double acting

BENEFITS

- Precision and position repeatability
- High speed opening and closing
- Protected from penetration by impurities

APPLICATIONS

- Transferring
- Machine Tending
- Sorting
- Pick & Hold

SECTORS



Bottling



Food & Beverage



Assembly



Packaging

Angular grippers with opening angle of 30° **Series CGAN**



Sizes: 10, 16, 20, 25, 32
Total torque: 10,5 ÷ 292 N
Jaw opening: 2x15°
Version: Double acting

BENEFITS

- Compact and light design
- Highly flexible mounting
- High speed opening and closing

APPLICATIONS

- Transferring
- Palletizing
- Pick & Hold

SECTORS



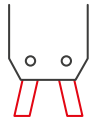
Packaging



Food & Beverage



Assembly



Three-jaw grippers with T-guide **Series CGZT**



Sizes: 40, 50, 64, 80, 100, 125, 160
Total force: 80 ÷ 6930 N
Stroke per jaw: 2,5 ÷ 16 mm
Versions: Single and double acting

BENEFITS

- High resistance to external static and dynamic loads
- High closing/opening repeatability
- Protected from penetration by impurities

APPLICATIONS

- Machine Tending
- Pick & Place
- Pick & Hold
- Palletizing

SECTORS



Assembly & Robotics



Material Handling



Machine Tools

Three-jaw grippers with T-guide **Series CGCN**



Sizes: 50, 64, 80, 100, 125
Total force: 253 ÷ 3584 N
Stroke per jaw: 4 ÷ 13 mm
Version: Double acting

BENEFITS

- Compact and light design
- Highly flexible mounting
- Protected from penetration by impurities

APPLICATIONS

- Pick & Place
- Pick & Hold

SECTORS



Material Handling

Sprue grippers **Series RPGA and RPGB**



Sizes: 8, 12, 20
Versions: Not self-centering, single acting, normally open
Models: Flat finger, curved finger, short finger, flat finger with sensor slot, curved finger with sensor slot

BENEFITS

- High gripping force
- High reliability
- Compact and light design

APPLICATIONS

- End of arm Tooling (EOAT)

SECTORS



Plastics & Rubber

PNEUMATIC GRIPPERS FOR COLLABORATIVE ROBOTS

Collaborative grippers provide a safe, intelligent and versatile solution for handling operations in advanced robotics. Their compact design, integrated functionalities and precise control ensure operational efficiency, ease of use and flexibility for many industrial applications.

Collaborative parallel gripper **Series CSSP**



Maximum closing force at 6 bar: 94 N (NC)
Maximum opening force at 6 bar: 107 N (NO)
Stroke per jaw: 6 mm
Repeatability: ± 0.02 mm

BENEFITS

- Compliant with ISO/TS 15066 standard
- Workpiece holding system - Secure grip functionality
- Robust, compact, and lightweight design
- Payload optimization
- Intuitive configuration

APPLICATIONS

- Machine tending
- Pick & Place

SECTORS



Assembly & Robotics



End-of-line Packaging

Smart collaborative parallel gripper **Series CSPT**



Maximum force at 6 bar: 165 N
Stroke per jaw: 40 mm
Repeatability: ± 0.02 mm
Communication protocol: Modbus RTU (RS-485)

BENEFITS

- Precise force and position control
- Measurement of the workpiece size
- Gestures recognition
- Workpiece presence detection
- Anti-slip grip function

APPLICATIONS

- Machine tending
- Pick & Place

SECTORS



Assembly & Robotics



End-of-line Packaging

TOOL CHANGER

The Tool Changer is the ideal solution for industrial applications that require an efficient and reliable device for a fast and secure changeover of tools (gripping or working systems).

Series RTC

Sizes: 50, 90, 150

Pneumatic
connection: 4, 8, 10

BENEFITS

- High flexibility and adaptability
- Constant monitoring of block position
- Increased efficiency and precision
- High load capacity
- Reduced downtime



VACUUM COMPONENTS

This range of vacuum components allows the creation of complete solutions for handling, both of single objects – typically for the electronics and assembly industries – and of large workpieces, such as wooden panels or metal sheets.

Suction Pads

Universal suction pads

Series VTCF, VTOF, VTCL, VTCN, VSCF

Materials: NBR, Silicone
Shape: Round, oval
Version: Flat, bellows
(1,5 - 2,5 folds)

APPLICATIONS

- Smooth or slightly contoured surfaces (glass, wood, plastic, sheet metal)
- Fast handling with high stability
- Silicone versions available for high-temperature environments



Suction pads for the packaging sector

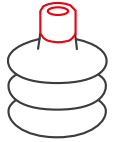
Series VPCL, VPCM, VPCN, VPCO, VPCQ, VPCF, VPOL

Materials: NBR, Silicone, Elastodur
Shape: Round, oval
Version: Flat, bellows
(1,5 - 2,5 - 4,5 folds)

APPLICATIONS

- Handling of cartons, blisters, and flexible bags
- Delta robots for high-speed packaging processes
- High wear resistance (Elastodur ED-65)





Ejectors

Basic ejectors Series VEB, VEBL



BENEFITS

- Compact, without moving parts (Venturi type)
- Anodized aluminium body (VEBL) or technopolymer body (VEB)
- Ideal for: assembly, robotics, woodworking and food industry

Inline ejectors Series VED, VEDL



BENEFITS

- Direct mounting on suction pad
- Anodized aluminium body (VED) or technopolymer body (VEDL)
- Ideal for: electronics, food industry and dynamic applications

Compact ejectors Series VES, VEN, VEQ



BENEFITS

- Modular and compact, with integrated valves and sensors for suction, blow-off and control
- Versions available with I/O-Link interface
- High energy efficiency
- Ideal for: robotics, automotive, high-speed packaging and automated production lines

Filters

Inline vacuum filters Series FVD



BENEFITS

- Technopolymer body | Cloth filter
- Ideal for protecting vacuum systems from impurities

Vacuum cup filters Series FVT



BENEFITS

- Technopolymer body | Polyethylene filter
- Ideal for environments with dust or moisture

Accessories

Vacuum accessories Serie NPF, NPM, NPR, VNV



Wide range of fittings, connectors, and valves. Ideal for making vacuum systems more flexible and optimizing handling solutions.



Automation

A Camozzi Group Company

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