

## DATASHEET

# FlexiBowl® 200 C/CC

Flexible feeding system for all parts measuring between **1 and 10 mm** and weighing up to **20 g**

FlexiBowl® 200C/CC orients and separates components and can be integrated with any vision system and any robot for parts feeding. It is highly versatile and capable of feeding parts regardless of their

- Geometry
- Surface
- Material



## ADVANTAGES



High performance



Compatible with 99.9% of parts



Essential design, robust construction



Specifically engineered for small parts



Remote-controlled electronics



Rapid, intuitive integration



Several singulation options



Accurate location of parts



Suitable for delicate parts



Large area for singulation and picking



Low maintenance

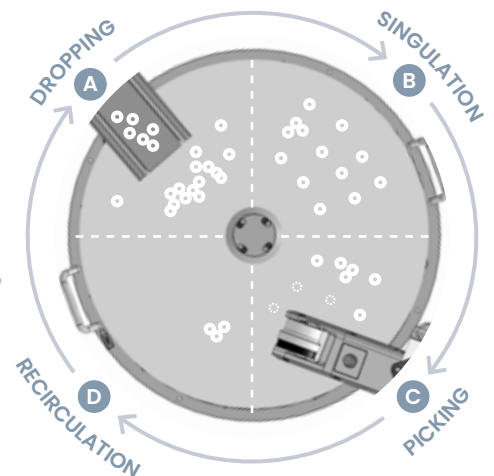


Patented

## HOW IT WORKS

Parts dropping, singulation and picking take place simultaneously in dedicated sectors. For greater productivity.

NOTE: The FlexiBowl® 200 C/CC is equipped with a rigid disc with an integrated edge to optimize component separation.



## OPERATING MODES



### Traditional

Parts are singulated by the combined action of bidirectional rotation and the pulse generator. Once the parts are separated, the robot uses the coordinates sent by the vision system to locate and pick them up, while the disc is not moving.



PRECISION	■■■■■	LAYOUT	■■■ ■■
PERFORMANCE	■■■■■	EASY TO INTEGRATE	■■■■■
SINGULATION	■■■■■		

## DATASHEET

# FlexiBowl® 200 C/CC

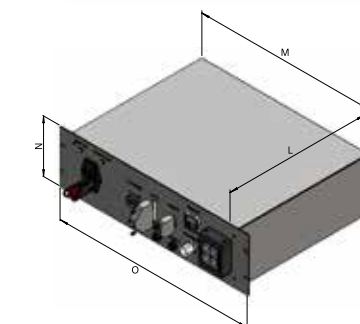
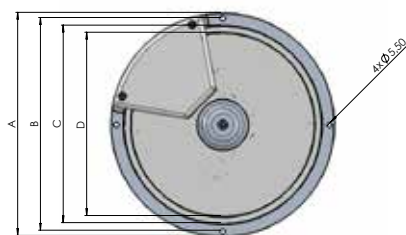
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## SPECIFICATIONS

Dimensions of parts	1<x<10 mm
Weight of parts	<20 g
Backlit area	90 cm <sup>2</sup>
Load capacity	1 kg
Bulk feeder/hopper load capacity	1.5 dm <sup>3</sup>
Overall dimensions	254x470 mm
Picking height	172 mm
Installation temperature	5-45 °C
Installation position	Floor
Air pressure (dry and filtered)	6 bar - Ø 6 mm pipe
Electronic power supply	110-230 VAC
Red backlight wavelength	630 nm
Infrared backlight wavelength	850 nm
Absorption	150 W
Data connection	<ul style="list-style-type: none"> <li>- Ethernet IP</li> <li>- Digital I/O</li> <li>- TCP/IP-UDP</li> <li>- Gateway for other protocols</li> </ul>

## DIMENSIONS

A	235 mm	H	14 mm
B	224 mm	I	172,5 mm
C	209 mm	L	343 mm
D	193 mm	M	429 mm
E	218 mm	N	135 mm
F	186,5 mm	O	483 mm
G	168 mm	Weight	5,63 Kg



## OPTIONAL ACCESSORIES

- ▶ Analog Electro Pneumatic Regulator
- ▶ Calibration Plate
- ▶ Camera Bracket Base Stand
- ▶ Custom grooved Discs
- ▶ Diverters
- ▶ External Swivel Gripper
- ▶ Lighting (white, red, IR)
- ▶ Rotary Discs (including FDA-compatible and anti-static)

## PLUG-INS

FlexiBowl® is compatible with all TCP/IP socket languages and offers plug-ins for a vast range of robots, including:

- ▶ ABB
- ▶ Denso
- ▶ Doosan
- ▶ Epson
- ▶ Fanuc
- ▶ Hyundai
- ▶ Kawasaki
- ▶ Kassow Robots
- ▶ Kuka
- ▶ Mecademic
- ▶ Mitsubishi Electric
- ▶ Omron
- ▶ Shibaura
- ▶ Stäubli
- ▶ Techman Robot
- ▶ Universal Robots
- ▶ Yaskawa

## PLC PLUG-INS AVAILABLE:

- ▶ Allen - Bradley
- ▶ Omron
- ▶ Schneider Electric
- ▶ Siemens

## ROTARY DISC TYPES

Including FDA-compatible and anti-static

Anti-stick



Smooth



Anti-roll



Custom



## CONTACTS



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