

KEY FEATURES

- ✓ Grips with gecko-inspired adhesive
- ✓ Picks up flat objects without air systems
- ✓ Can lift solid or porous objects
- ✓ Instantaneous gripping
- ✓ Integrated load sensor for precise gripping
- ✓ Range sensor – part presence
- ✓ 3 ways to clean: autonomous, robotically and manually



TECHNICAL SPECIFICATIONS

Specification or Feature	Value / Comments			
Gripper				
Workpiece material	Polished Steel	Acrylic	Glass	Sheet Metal
Maximum payload (x2 safety factor)	4.1 kg	4.1 kg	3.3 kg	3.1 kg
Maximum payload with Cleaning System	1.6 kg	1.6 kg	1.3 kg	1.3 kg
Pre-load required for max adhesion	125 N			
Detachment time	500 ms			
Holds part on power loss?	Yes			
Pads				
Change-out interval	50,000 to 100,000 cycles			
Autonomous cleaning system	Piezoelectric			
Minimum run-time for cleaning	1 second			
Autonomous cleaning interval and % recovery	15 sec: 3% / 2 min: 5% / 15 min: 15% (max)			
Robotic cleaning system	Silicone roller			
Robotic cleaning interval and % recovery	Variable / 100%			
Sensors				
	Pre-load sensor	Ultrasonic Range sensor		
Range	0-400 N	0 – 260 mm		
Sensitivity	1 N	300 KHz		

MECHANICAL DIMENSIONS

