

KEY FEATURES

- ✓ Cleans Gecko Gripper pads to maintain grip strength
- ✓ Roller assembly removeable by user (for cleaning)
- ✓ No other maintenance required
- ✓ Robot-operated – no internal electronics/actuators needed for operation



TECHNICAL SPECIFICATIONS

Specification or Feature	Value / Comments			
Recommended uses	Removes build-up of inhibiting particulate matter, fine mist from cutting fluids			
Not recommended for	Liquids, silicone-based oils and greases (will damage rollers)			
Time required for one cleaning cycle	5 to 15 seconds (depends on robot speed)			
	Very light dust environment	Medium dust environment	Heavy dust environment	Machine Fluid Mist Environment
# of Gecko Gripper actuation cycles before pads need a cleaning cycle	10 000 – 20 000 cycles	5 000 – 10 000 cycles	1 000 – 5 000 cycles	10 – 1 000 cycles
% recovery of Gecko Gripper rated grip strength after cleaning cycle	90 – 100%	80 – 90%	70 – 80%	50 – 80%
# of cleaning cycles before rollers need to be changed	Every 10 – 1 000 cycles depending on cleaning frequency and environmental conditions. (Note this is cleaning cycles – NOT gripper cycles)			
Roller Life	Recommend roller replacement every 5,000-25,000 cleaning cycles or as needed. * It should be noted that every 1000 cleaning cycles can equate to 1 million Gripper cycles. Rollers should be cleaned with water, alcohols or acetone; other organic solvents may swell or damage the rollers.			

MECHANICAL DIMENSIONS

