

variables/V-color

Robot Tool Changers | | Epsilon E50





Feature

	Master Adaptor	Tool Adaptor
Reference	ER50	ET50
Payload	25 kg	
Moment - Mx, My	88 Nm	
Moment - Mz	120 Nm	
Size	85x85x48 mm	85x85x48 mm
Weight	0.590 kg	0.590 kg
Couple/uncouple port	G1/8	n/a
Repeatability - X, Y	0.020 mm	
Repeatability - Z	0.020 mm	
Maximum Axial Tensile Force (no damage if exceeded)	3.336N @ 0 bar couple port input pressure	



Operating conditions

Operating temperature	5-60°C
Operating pressure	6 bar $\pm$ 1
User pneumatic pressure	6 bar $\pm$ 1

Epsilon exceptional lifting force for a small footprint

The line was designed to be a comprehensive family of tool changers that cover the entire range of the current CXC, MXC and Sigma tool changers we already make (ranging from 10kg. to 1,500kg.)

This is a Tool Changer Evolution. Our cam design has stood the test of time and even with extensive research; we couldn't do anything better. In fact, we are so confident in our locking mechanism that we offer a lifetime guarantee on it. We also made sure to incorporate new market requirements and customer feedback to design these tool changers; that's why we extended the availability of couple/uncouple sensing and came up with a direct bolt design to limit the need of adaptor plates.



Advantages

- High Strength Aluminum Alloy Body
- **Cam Locking Mechanism with :**
 - Lifetime Guarantee
 - Self-Centering
 - Wear Compensating
 - Self-Cleaning
 - Positive Cam Retraction
 - Optional Couple/Uncouple Sensing
 - Optional Tool Present Sensing
 - 8x G1/8 User Pneumatic Ports



Benefits

- Maximul robot payload still available
- Reduced maintenance cost
- Minimized total cost of ownership
- Easier installation, less accessories costs



expertise in connectivity