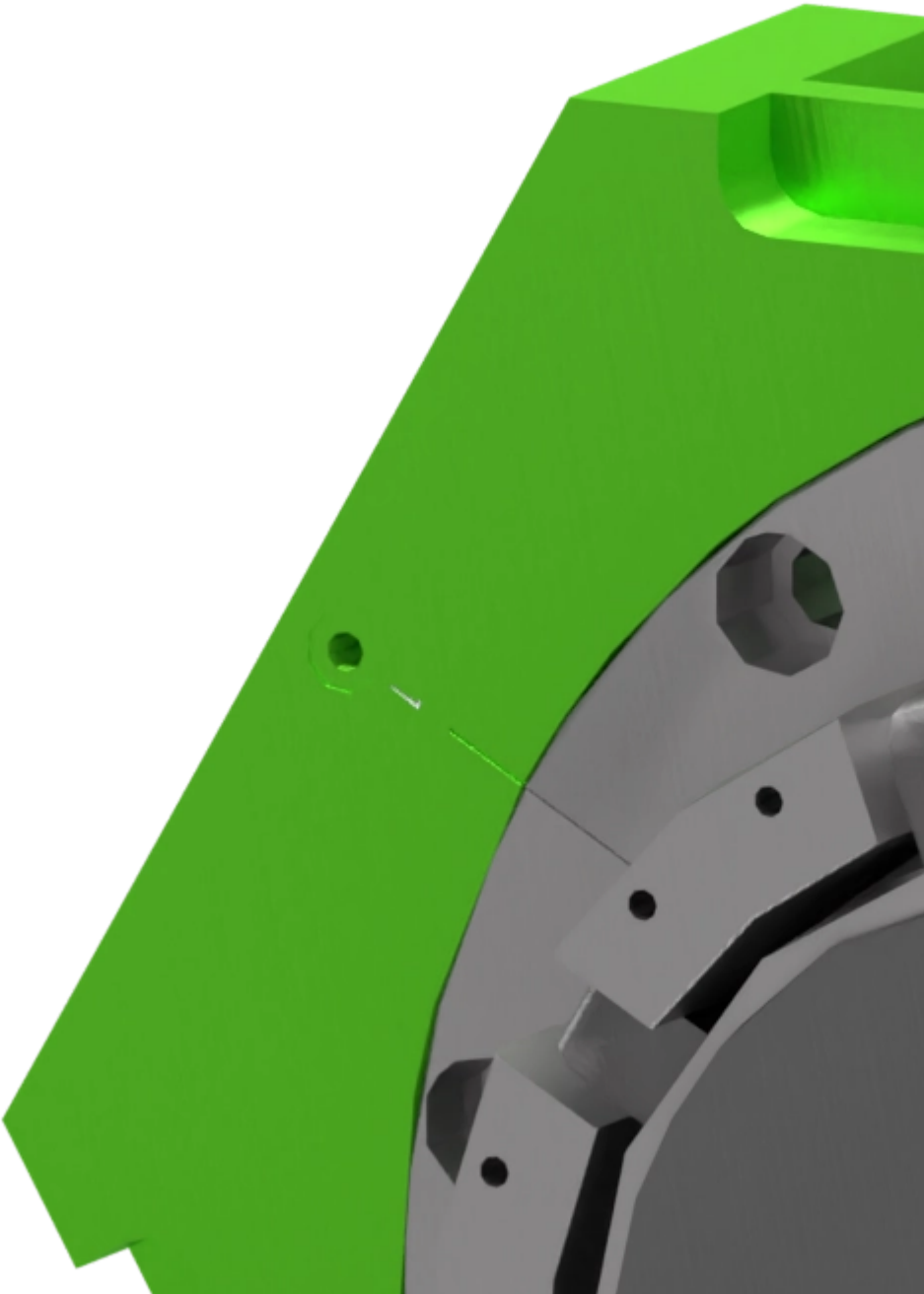
variables/V-color

# Robot Tool Changers | | Epsilon ES315



## Feature

| | Master Adaptor | Tool Adaptor |
|---|---|---|
| **Reference** | ERS315 | ETS315 |
| **Payload** | 2331 kg | |
| **Moment - Mx, My** | 43 Nm | |
| **Moment - Mz** | 31 Nm | |
| **Size** | 425x490.8x163 mm | 425x490,8x86mm |
| **Weight** | 76.000 kg | 28.000 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)** | 144.585N @ 0 bar couple port input pressure | |

## Operating conditions

| | |
|---|---|
| **Operating temperature** | 5-60°C |
| **Operating pressure** | 6 bar ±1 |
| **User pneumatic pressure** | 6 bar ±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