

# SAFE AND SECURE

## Patented Locking Device



### SAFETY STANDARD

Safety is always the core when we are developing products. The smart design of the TrueConnect™ system is standard in all our tool changer models.



### OUTSTANDING ACCURACY

The mechanical design offers many smart features that improve the accuracy of the changing cycle. This also minimizes wear on the parts, providing a lower total cost.



### LIFETIME WARRANTY

TrueConnect™ is proven to withstand the heavy weights of industrial work, which is why we provide lifetime warranty for all the parts of the locking mechanism.

## LOCKED BY TRUECONNECT™

TrueConnect™ is the patented locking device, used in all our tool changers. The docking of the tool is made faster, stronger, and simpler. It repeatedly ensures a secure docking of the tool, thanks to the unique locking mechanism.

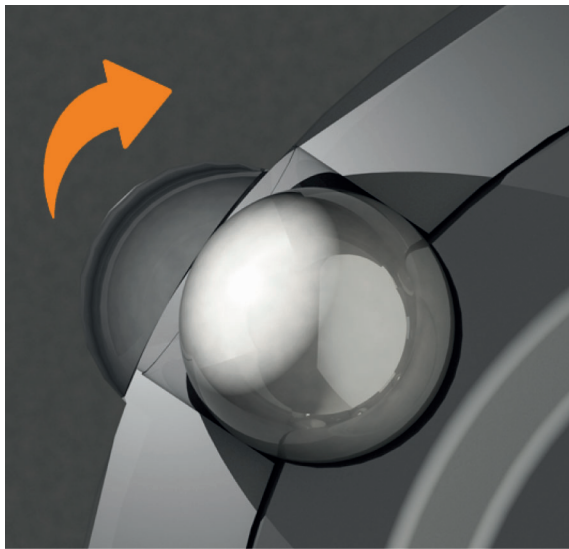
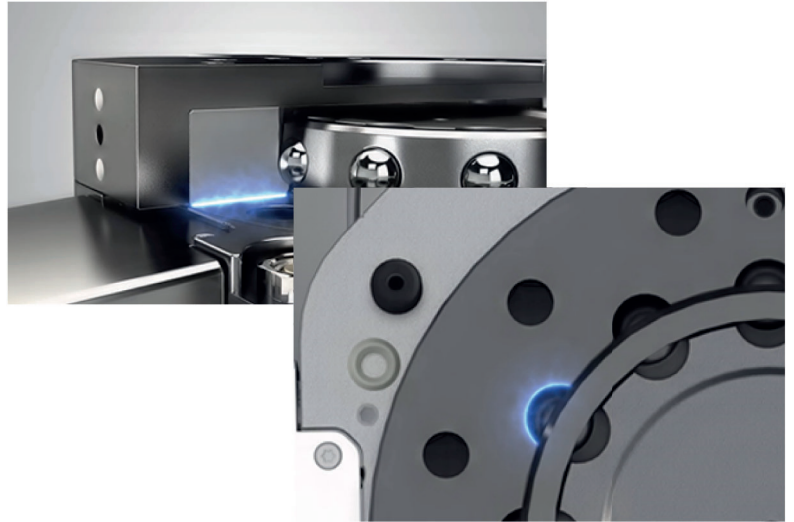
When the RSP tool changer was initially developed over 20 years ago, we knew that a secure and trustworthy locking system was crucial. TrueConnect™ was born and today it is still one of the most reliable systems in robotic tool changers. The locking system has a robust design, providing high torque and a load capacity up to 1 500 kg. The unique functionality also makes it very accurate over time, and the locking cycle is as fast as < 0.3 seconds.



## WELL PROVEN DESIGN

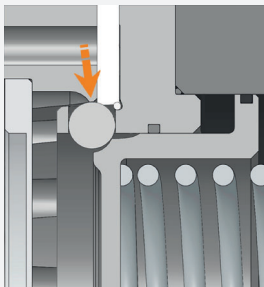
The principle is a uniform distribution of load, obtained by pressing the locking balls into spherical groves in the tool attachment.

This design is proven to withstand the heavy weights of industrial work, having a coupling even stronger than the mounting bolts. The locking cycle is completed in under 0.3 seconds. A quick locking cycle can save you valuable production time and improve the productivity of your robots.



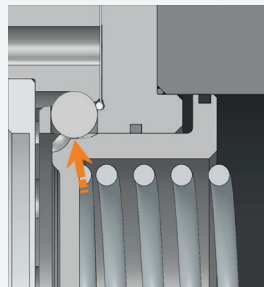
Tool changers with TrueConnect™ do not require exact alignment before docking into different tools. It gives you a positional flexibility, as the mechanism itself enables exact alignment repeatability. Make your robot versatile and flexible with tool changers from Robot System Products. Locked and secured by TrueConnect™

With TrueConnect, the locking is always stronger than the bolts used for attachment. Which is why we offer lifetime warranty for the locking parts of the tool changers (not applicable on wear parts).



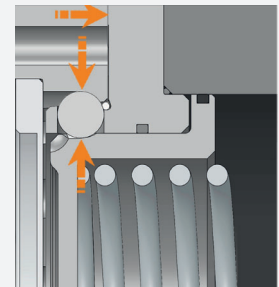
### Step 1. Centering and orientation

The locking balls are entering the cavities which are spherical groves in the TA. This function aligns the tool in position, both axially and radially.



### Step 2. Locking start, safe position

The balls are entering the next step of the groove. This is a safe position where the tool is stable against any impact or if air pressure is dropped.



### Step 3. Tool locking complete

Then final position creates a complete lock of the tool attachment, where a high friction together with the locking balls keeps it in place.

Robot System Products | TrueConnect™ Locking System

## WE ARE ROBOT SYSTEM PRODUCTS

RSP stands at the forefront of the industrial automation industry as a renowned global leader in delivering cutting-edge solutions for enhancing the performance and versatility of industrial robots. Our cutting-edge solutions empower you to optimize your robotic systems for maximum performance and efficiency, positioning you at the forefront of modern manufacturing.

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