

# Products Brochure

Stable Safe Efficient Excellent



# Company Profile

Focus on R&D of robot end-of-arm tooling, improve production efficiency of manufacturing industry  
ISO9001 Quality certification, CE and SIL safety certification, more than 70 patents.



60+ Exported countries & regions

70+ Patents

5+ Copyrights

## Product Range

### Robot Tool Changer



- Special materials and process combine with the inclined structure perfectly, ensuring safety locking
- Innovated redundancy signal transmission technology for stable transmission of data and signals
- Excellent fluid connection technology, ensure no leakage during millions operations.

### Pneumatic Gripper



- The perfect combination of multi-tooth guide rail and trapezoid structure, can bear larger moment and torque
- The unique coating process ensures the precision after ten millions operations
- Unique self-lubricating design, longer maintenance-free service time.

### Floating Deburring Tools



- 360-degree radial floating, suitable for deburring various workpieces
- 1000-60000RPM electric spindle with replaceable cutter automatically, meet all kinds of requirements
- Axial floating grinding tools: for complex surfaces, adjust work force precisely, compensate work force within  $\pm 0.5N$  in any direction actively.

### Floating Position Compensate Device



- Support position compensation in X&Y, Z, X&Y&Z directions, correct the error in position or angle during assembly and loading precisely.
- Ensure the operation is exact by locking the center point and position storing function.
- ISO9409 interface to simplify assembled process.

### Energy Connectors



- Modular medium and multi-module interfaces make combination more flexible
- With floating in X、Y、Z direction, eliminate docking errors
- Wireless Utility Coupler: wireless transmission of power and data via air gap, contact-free and wear-free, reducing maintenance costs.

### Energy Coupling Device



- Offer energy coupling between the main station and slave station, include power, data, I/O, pneumatic, liquid, ect.
- Ultra-high plug life, high stability and reliability
- With super current carrying capacity, can resistant the strong impact of vibration.

# Automatic Tool Changers



With ISO9001, SIL and CE certifications



Payload ranges from 5kg to 3000kg



Various modules for all applications, supports customized design



Air pressure lost self-locking function

## Technology highlights



### Locking mechanism

The special materials and process combine with the inclined structure perfectly, ensure safety locking.

### Redundancy technology

Innovated redundancy signal transmission technology, ensure the transmission of data and signals more stable.

### Fluid module

Excellent fluid connection technology realize millions operation without leak.

### Safety Docking

Unique patented technology of tool and bracket interlocking, when tool changer operate normally, the tool changer won't open even industrial robots output order mistakenly to solenoid valve module.

# Clamping Technology



Technologically high strength mechanism grippers



Strong structure, greater load bearing capacity



Multi-tooth cross-section design, guarantee reliable clamping



Multi-sensor sensing positions, detect closing & opening flexibly



Unique self-lubrication design, long service life with no maintenance



More than 400 combinations of function expansion

# Floating Position Compensation Devices



## Powerful function:

Compensate position error during assembly and loading precisely.



## Powerful function:

Support position compensation in X&Y, Z, X&Y&Z directions, ensure wide and flexible compensation ability.



## Ease of Mounting:

ISO9409 interface to simplify assembled process.



## Precise control:

Ensure exact operation by locking center point & position storing function.



## Stable and Durable:

Adopt firm material, improve the service life of equipment.



## Highly Integrated:

Support seamless integration with robot control systems.

# Force Controlled Deburring Tools



Flexible contact, adjustable rotate speed



360 degree floating in radial direction, floating in axial direction



Durable contact component, dust-proof, air leakage proof



Replaceable variety grinding heads, meet customized deburring requirements



Build-in steel ball to reduce friction and lengthen service life



Aluminum alloy shell, light weight design

# Energy Coupling Device



High stability  
High reliability



Ultra-high  
plug life



Strong current  
carrying capacity



Strong resistance to  
vibration & impact