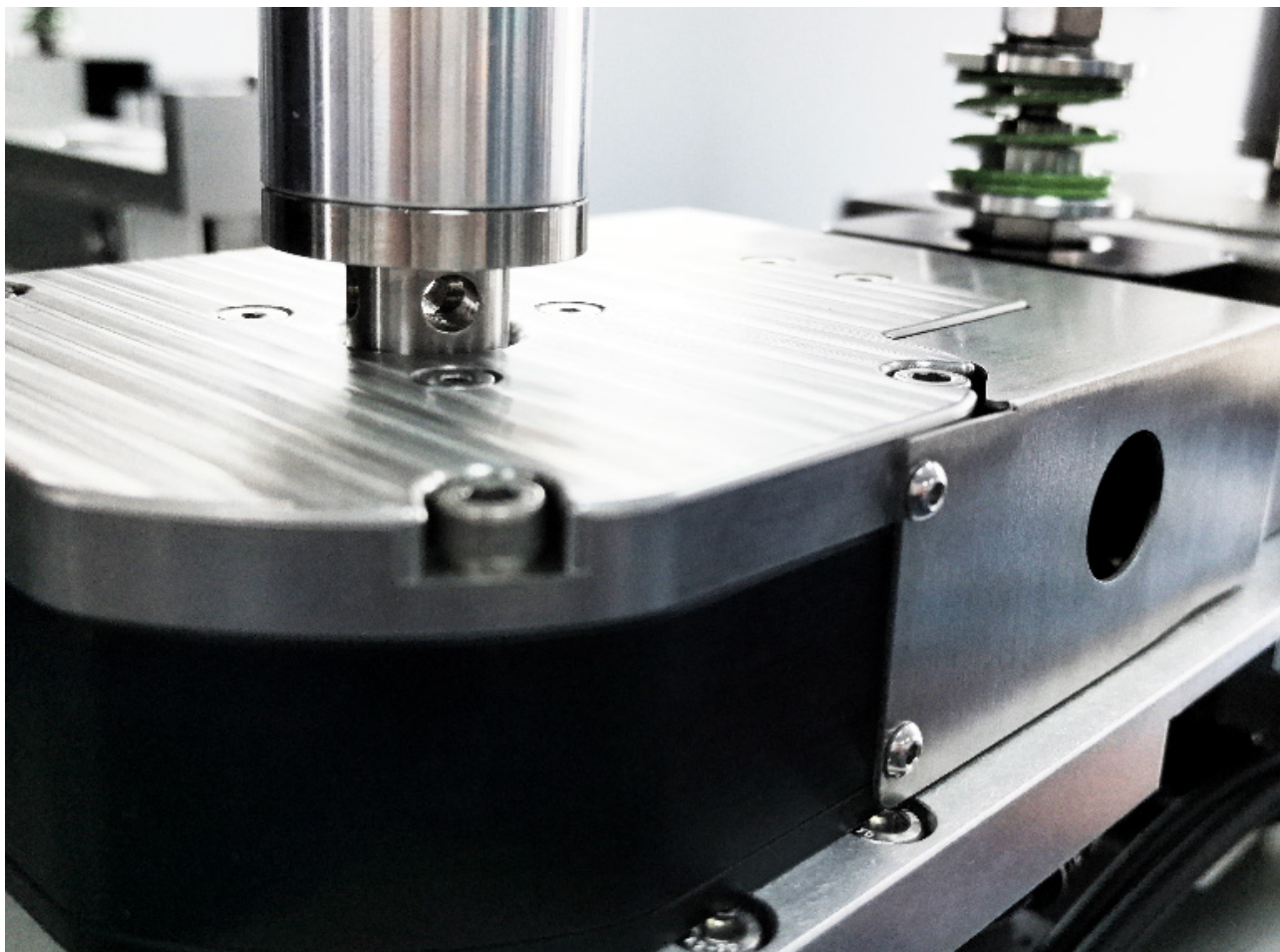


engineering innovations
worldwide

Integrated docking & clamping solutions

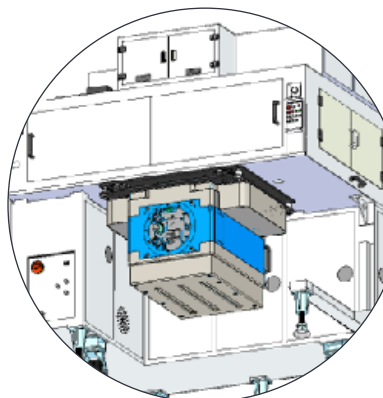
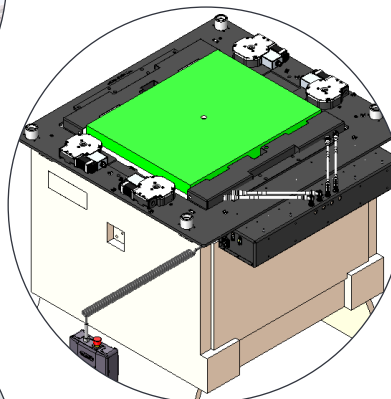
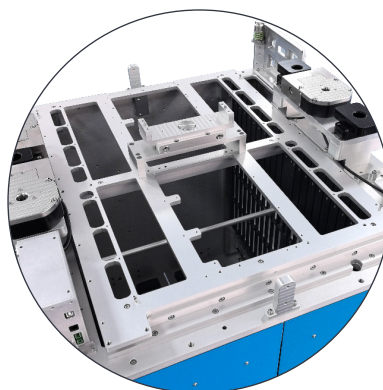
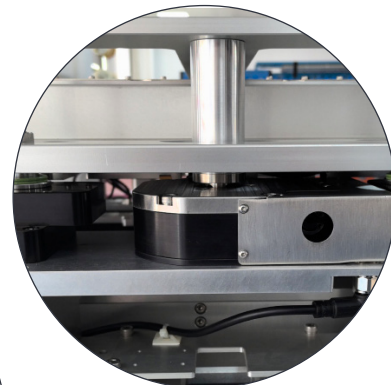
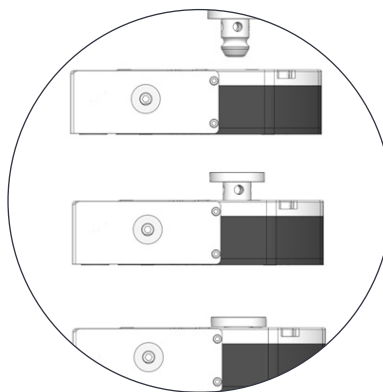


Helix E docking
motorized
2 size available
smart + intercommunicative

esmo
semicon

Key features

- clamping function
- Human-Machine Interaction, customizable programming is possible
- 2 size available
helix E2, helix E3, depends on system configuration
- self-locking by design
- safe operation and high closing force (sustainable)
- pull down force adjustable
- high precision docking of parts or structures
- high repeatability
repeatability of $\pm 35\mu\text{m}$ in z-axis
repeatability of $\pm 25\mu\text{m}$ in x- and y-axes
- touch panel with z-axis height adjustable function
- z-position adjustment range 0-5mm (E2) / 0-7mm (E3)
- high stroke 5mm (E2) or 13mm (E3)
- each helix-e can provide 30kg/120kg (E2/E3) docking force
- individual positioning of each docking module, electrical synchronization of docking modules
- intercommunication with all modules
- 4 modules synchronize or asynchronize movements
- pin-catch feature in pre-docked position
- with power pack independent working, electrical DC drive
- with color display
- compact design, 1-button operation
- integrable into more complex systems
- compatible with great variety of test head/handler/prober solutions



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