

engineering innovations
worldwide

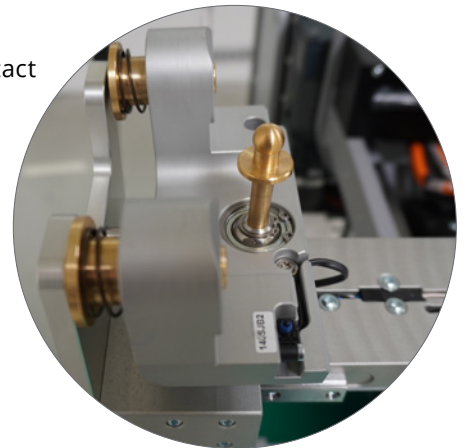
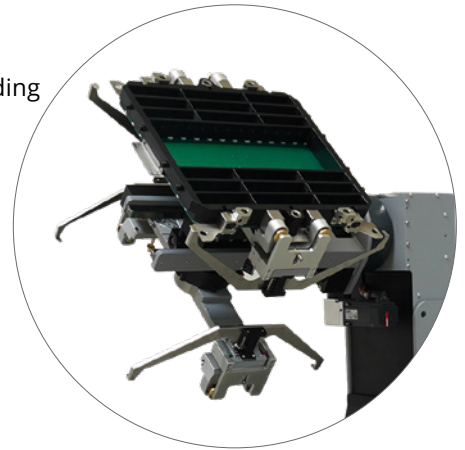


X-change cart
semi-automated
DIB exchange system

esmo
semicon

key features

- Modular DIB exchange system for reliable, error-free board loading + unloading
- Single-operator operation – complete board change in under one minute
- Transports two load boards simultaneously for rapid exchange
- Full multi-axis rotation:
±180° at locking mechanism | ±180° Y-axis | ±90° Z-axis (tower swivel)
- Tower swivels ±90° for use in narrow corridors and constrained test floor layouts
- Compatible with leading ATE platforms – Teradyne, Advantest, SPEA etc.
- Interfaces with test head, prober, DIB-loader, storage rack, and maintenance workbench
- ESD-safe gripper head construction – board protected at every point of contact
- Spring-loaded guide pins for exact cart-to-DIB positioning
- Secure automatic locking with mechanical interlock against accidental board release
- Pretensioned alignment feature compensates roll and pitch angle tolerances up to ±1.5°
- Integrated HMI, sensor detection, safety hand-brake, and modular battery
- Optional: fully automated configuration mountable on AGV or AMR



specifications

rotation clamp axis (locking mechanism): ±180°
 rotation Y-axis: ±180°
 rotation Z-axis (tower swivel): ±90°

Board capacity: 2 load boards simultaneously
 Gripper head alignment: Roll and pitch compensation ±1.5°
 Changeover time: < 1 minute (single operator)

ATE compatibility:
 Teradyne, Advantest, SPEA and other leading ATE platforms

Interfaces:
 Test head | Prober | DIB-loader | Storage rack | Maintenance workbench

with Integrated touchscreen HMI
 with sensor detection and safety hand-brake

Modular battery (rechargeable):
 charging via standard power outlets



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