



Product Sheet

RETICLE SORTER

Multifunctional handling tool for automated mask handling and transfer

The Reticle Sorter offers fully automated handling of reticles and reticle boxes for box transfer and tool loading purposes. **24/7, fast and reliable.** Its modular design allows **free configuration**, up to three manual ports, two auto ports and various box types.

Features

- ✓ Fully automated reticle loading of 3rd-party tools
- ✓ Fully automated reticle transfer between various boxes
- ✓ ISO-2 cleanroom class mini environment
- ✓ SEMI E109/E94/E40 MES integration, GEM SECS
- ✓ Modular design - freely configurable

System Modules

- Clean room certified tool cell
- Stäubli 6-axis robot TX2-60 CR
- Active or passive reticle handler
- Opener modules for various box types
- Transfer connector to 3rd-party tools
- Self-teaching robot calibration system



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Loadports

- Up to 2x OHT ports
- Up to 3x manual ports
- Transport box magazine
- Interface to storage system
- AGV interface (optional)

Operated Goods

- Bare reticles, 5" or 6"
- Single reticle SMIF POD
- Multi reticle SMIF POD
- Nikon boxes
- Reticle transport boxes (Pozetta)
- Transport box magazine for 6 boxes

Technical Details

Footprint LxWxH	1450mm x 1000mm x 2000mm
Handling time (approx.)	Up to 5 reticle handlings per minute
Box and reticle identification	RFID, barcode or other visual options available
Media requirements	400V 16A power supply Vacuum AD10 6bar 100nlpm compressed air Ethernet GigaBit connection

Images

Front page: Customer solution Reticle Sorter

This page: Inside view containing Pozetta box opener and Stäubli TX2-60 CR

