

Product Sheet

# HARI

## FOUP handling tool for automated loading and unloading of piggyback goods

The HARI tool suite offers **fully automated loading and unloading of piggyback goods** like SMIF pods, reticle boxes or small probe cards in and out of **modified FOUP carriers**. Often used for **dissimilar goods transport** over standard FOUP overhead transport (OHT). That way, HARI tools also allow **retrofit process and transport automation for manual equipment**.

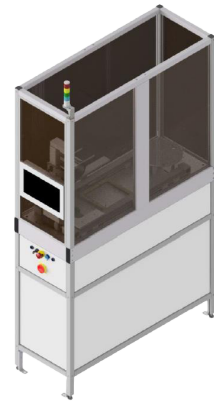
### Features

- ✓ Fully automated loading and unloading of modified FOUPs with piggyback goods
- ✓ Support of piggyback transport over standard FOUP OHT
- ✓ Retrofit process automation for manual equipment
- ✓ SEMI E88 MES integration, GEM SECS
- ✓ Modular design - freely configurable

### System Modules

- Transfer units for loading and unloading of piggyback goods
- Transfer connector to manual 3rd-party tools
- FOUP OHT auto port
- Second OHT port for piggyback goods
- Variety of manual ports for piggyback goods





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## Loadports

- 1x FOUP OHT port
- 1x OHT port for piggyback goods
- Up to 2x manual ports (optional)
- AGV interface (optional)

## Operated Goods

- Single reticle SMIF pod
- Multi reticle SMIF pod
- Additional goods on request

## Technical Details

Footprint LxWxH	Custom Typical two port solution: 1200mm x 450mm x 2200mm
Weight	Custom Typical two port solution: 220kg
Handling weight	Max. 10kg
Goods identification	RFID, barcode or other visual options available
Media requirements	230V power supply Ethernet GigaBit connection

### Images

Front page: Two port solution for FOUP piggybag transport of reticle SMIF pods

This page: Transfer unit for loading and unloading

