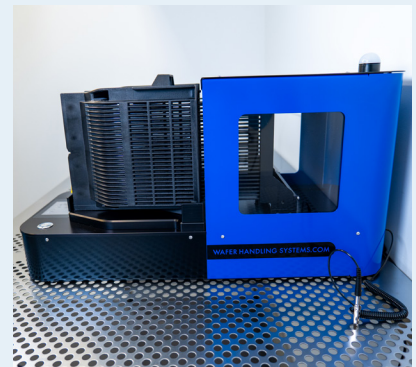
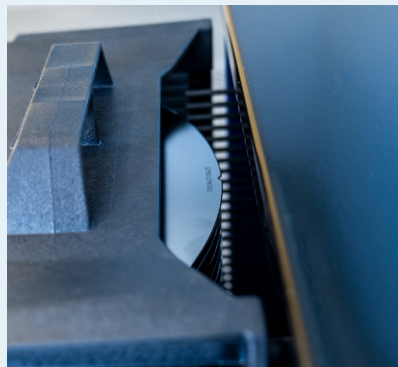
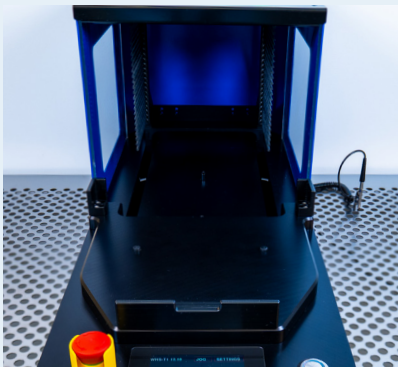
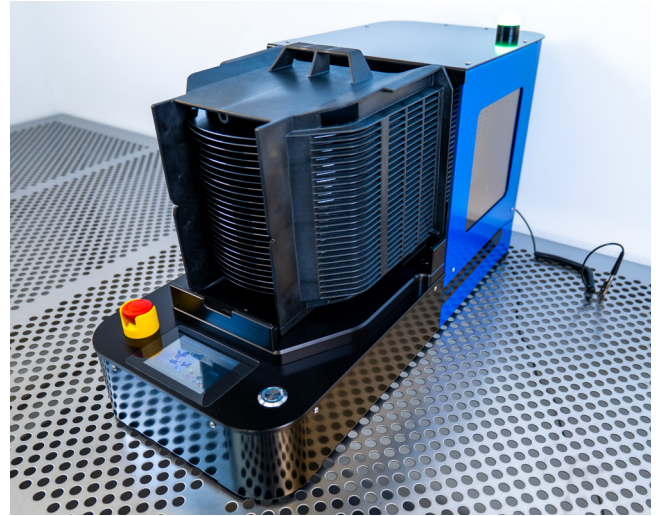


SAFEGUARD AUTOMATIC WAFER TRANSFER

The WHS-T1 SafeGuard series is the most advanced bulk wafer transfer system on the market, offering superior precision and safety for handling delicate wafers. One of the only systems specifically designed for thin wafer transfers, it is highly effective at transferring warped or bowed wafers without causing edge abrasion or mechanical shock, ensuring higher yields and reduced defects. The system's compact footprint makes it ideal for cleanroom environments with limited space, offering both performance and efficiency.

The WHS-T1 is designed for 76 mm to 200 mm wafers, including InP, GaAs, GaN, and SiC compound wafers. Its motorized 25-set transfer arm gently lifts wafers from the cassette, eliminating the need for sliding wafer in a cassette or risking thin wafer positioning



on a vertical movement system. The SafeGuard's touchscreen interface and light tower provide real-time communication to the operator, indicating system status and transfer progress for streamlined operations.

For wafer flipping/inverting applications, the WHS-T1 can be specially ordered with a stage that supports both standard and inverted cassette loading, allowing the h-bar to be positioned "up" or "down". This enables operators to transfer wafers out of the cassette, manually invert the cassette, and return the wafers, making it ideal for backside processing.

The WHS-T1 is ISO 3 (FS209E Class 1) cleanroom compatible and SEMI compliant, handling both high- and low-profile cassettes. Manufactured in an ISO9001 certified facility and CE certified, the WHS-T1 is the industry's most advanced, reliable solution for bulk wafer transfers in high-precision semiconductor

environments, alignment, meeting international standards while maintaining cost-effectiveness for semiconductor manufacturing.

FEATURES AND ADVANTAGES

- Precision robotic control for 76 mm to 200 mm wafers
- Gentle handling of thin, warped, and high-value wafers
- Compact, low-maintenance, ISO 3 (Class 1) design
- Programmable touchscreen with adjustable settings
- Optional inverted cassette transfer capability

SAFEGUARD AUTOMATIC WAFER TRANSFER

ITEM	SPECIFICATIONS
Wafer size	76 mm, 100 mm, 150 mm, 200 mm
Materials, transfer rods	Antistatic carbon fiber
Materials, stage	Antistatic Polyurethane
Materials, guides	Antistatic Polyoxymethylene /PEEK
Cleanliness	ISO 3 (Class 1 FS209E)
*** NOTE: Please specify cassette model number(s) when ordering ***	



ORDERING INFORMATION

WHS-T1 -	301
CODE	MODEL
301	Wafer transfer, safeguard 76 mm (3")
401	Wafer transfer, safeguard 100 mm (4")
601	Wafer transfer, safeguard 150 mm (6")
801	Wafer transfer, safeguard 200 mm (8")

REV122024





