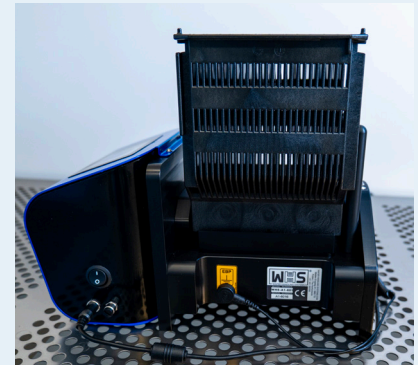
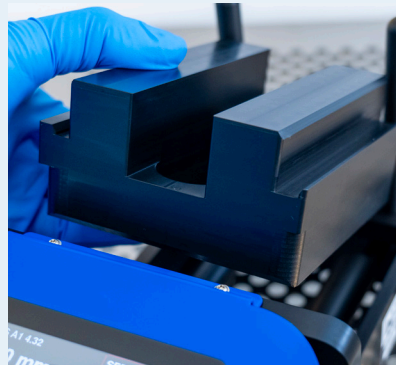
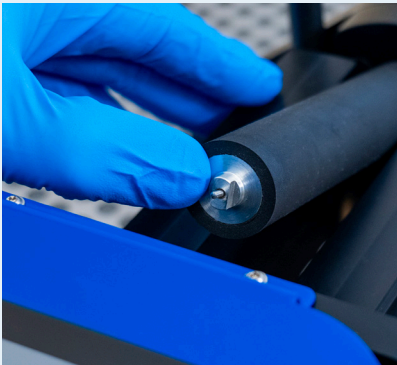
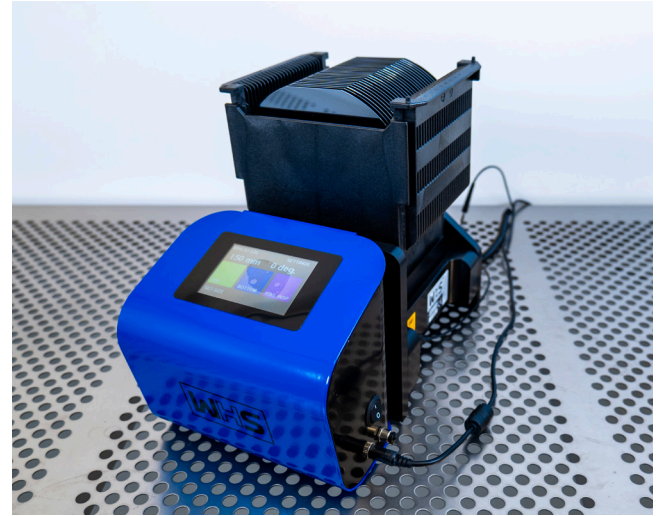


AUTOMATIC WAFER FLAT ALIGNER

The WHS-A1 series from WHS is a state-of-the-art automatic flat aligner designed for precise wafer alignment across 76-, 100-, 125-, 150-, and 200-mm wafers, ensuring accuracy within $\pm 1^\circ$.

Built with cutting-edge technologies and ESD-safe materials, the WHS-A1 is ideal for handling advanced materials like InP, GaAs, GaN, and SiC, making it a perfect solution for today's compound semiconductor industry. The system features a motorized stage for gentle wafer lifting, safeguarding the wafer edges and maximizing production yield.

The integrated touchscreen interface allows users to access multiple programs, including standard alignment, thin/compound wafer alignment, and edge-inspection modes. Designed for cleanroom



environments, the WHS-A1 operates in ISO 3 (Class 1 FS209E) conditions, ensuring compliance with the strictest cleanliness and contamination control standards.

Quick-disconnect roller assemblies make the aligner easy to maintain, minimizing downtime, while compatibility with SEMI-compliant wafer cassettes provides seamless integration into existing processes.

Whether used for lot integrity, crystal orientation, or wafer edge inspection, the WHS-A1 is engineered to enhance operational efficiency and product quality. Manufactured in an ISO9001 and CE certified facility, the WHS-A1 aligns with the highest global standards for safety, performance, and reliability.

FEATURES AND ADVANTAGES

- Antistatic construction with grounded wafer and cassette paths
- Quick-disconnect rollers for simplified cleaning and maintenance
- Accurate primary flat alignment within $\pm 1^\circ$
- Supports alignment, lot integrity, and edge inspection tasks
- Engineered for SEMI-compliant wafer handling

AUTOMATIC WAFER FLAT ALIGNER

ITEM	SPECIFICATIONS
Wafer size	76 mm, 100 mm, 150 mm, 200 mm or multi-size
Base material	Antistatic Polyoxymethylene
Roller material	Antistatic Polyurethane
Cleanliness	ISO 3 (Class 1 FS209E)
Replacement roller	WHS-SP-A1/A2/A6-R6_1
*** NOTE: Please specify cassette model number(s) when ordering ***	



ORDERING INFORMATION

WHS-A1-	701
CODE	MODEL
301	Aligner, automatic flatfinder, 76 mm
401	Aligner, automatic flatfinder, 100 mm
601	Aligner, automatic flatfinder, 150 mm
801	Aligner, automatic flatfinder, 200 mm / NOTE: different model: stage & roller
701	Aligner, automatic flatfinder, multisize 76, 100, 125, 150 mm

REV122024

General Tolerances DIN ISO 2768-mK-E	Surfaces to DIN EN ISO 1302	Scale 1:2	Weight 5.1kg	Surface	ISO 2 ISO 3
Material	Material	Material	Material	Material	Material
Drawn: 19.10.2022	Date	Name	Name	Name	Name
Checked: 20.04.2023	Date	R-Aligner	R-Aligner	R-Aligner	R-Aligner
Released: 20.04.2023	Date	Project-No.	Project-No.	Project-No.	Project-No.
		Format: A3	Format: A3	Format: A3	Format: A3
		WHS-A1-301 Auto Flat-Aligner		WHS-A1-301 Auto Flat-Aligner	
		SAP-Mat.-Nr. 8100047761		SAP-Mat.-Nr. 8100047761	
		Drawing-No. WHS-A1_BG0001		Drawing-No. WHS-A1_BG0001	
		Version 01		Version 01	
		Sheet 1-2		Sheet 1-2	
		WHS-A1_BG0001		WHS-A1_BG0001	

01 Physics Simulation; Display; File etc.
Modifikation

Identity, Number Model: 810047761

WHS
WAFFER HANDLING SYSTEMS

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REVI22024

73

173

191

308

Weight 5.1kg

Surfaces to DIN EN ISO 1502

Scale 1:2

Material

Weight Surface

WHS-A1-401 Auto Flat Aligner

Version 01

Sheet 1-2

SAP-Mat-Nr. 8100047762

Drawing No. WHS-A1_BG0002

General Tolerances	Surfaces to DIN EN ISO 1502	Scale	Material	Weight	Surface
Z/168-mK-E		1:2		5.1kg	

Drawn	Date	Name	S. Has
19.12.2022			
20.04.2023			
20.04.2023			

Project No.	Format
	A3

Ref. No.	Date	Name
5000008916	05.12.2023	S. Has

Ver	Modification
01	Platen-Sensoren-Display-File etc.

WHS

WAFER HANDLING SYSTEMS

8100047762

WHS-A1_BG0002

8100047762

Identify Number Model

WHS-A1_BG0002

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173

190,5

308

5,0kg

Surfaces

Scale 1:2

Weight

Material

Surfaces to DIN EN ISO 1502

General Tolerances DIN ISO 2768-mK-E

Detail	Date	Name
Drawn	10.10.2022	S. Haas
Checked	20.04.2023	R. Haas
Released	20.04.2023	S. Haas
Project-No.		Format: A3

WHS-A1-701 Auto Flat-Aligner

8100047760

WHS-A1_BG0000

SAP-Mat.-Nr. 8100047760

Drawing No. WHS-A1_BG0000

Version 01

Sheet 1-1

WHS

WAFER HANDLING SYSTEMS

8100047760

Identify Number Model

Rev	Modification	Rol.-No.	Date	Name
01	Platen-Simmerstedt-Display-File etc.	50000008914	05.12.2023	S. Haas

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