Wafer Handling Robot
LARGE / EXTRA LARGE / ULTRA LARGE

ADVANTAGES:

✓ RANGE
Largest travel ranges = maximum flexibility.

✓ PAYLOAD
Highest load capacity = unlimited substrate choice.

✓ GATE VALVES
Smart kinematics = smallest gate valves.

✓ FOOTPRINT
Space-saving kinematics = small set up area.

✓ COMPLEXITY
Keep it simple with Adenso = save space and money!

www.waferhandling.solutions

solutions you need
Wafer Handling Robot
LARGE / EXTRA LARGE / ULTRA LARGE

WHR — BASE TYPES:

LARGE
Suitable for all kind of applications in vacuum environment and glovebox systems with high requirements to travel range and payload.

EXTRA LARGE
Applications with increased requirements to travel range.

Example:
XYZ-Module at SCOUT 300triax from ORTNER Dresden

ULTRA LARGE
Largest travel ranges up to threefold to known solutions.
Example:
DTS Device Test System for GLOVEBOX applications; substrates: - 200/300/450mm wafer - FPD flat panel displays

SPECIFICATION

WORKING RANGES
X: up to 2m
Z: 0, 50, 100, 250mm
R: 360°

PAYLOAD
Standard: up to 15kg
Heavy duty: 250 kg

CLEAN ROOM
Clean room suitability up to ISO class 3 / US FED class 1 CR encapsulation available for all X-axis types.

SAFETY
Smooth running and STOP control integrated as a standard. Certified safety technology integrated in the motion control system for servo drives:
SBC safe brake control
STC safe tension control

LEAKAGE
Standard: 10-7 mbar x l / s
Option: 10-9 mbar x l / s

INTERFACES
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Profinet
...

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