Wafer Transfer Hand WHA/WHF Series

We design and manufacture products based on customer's specification. Edge clamping for non-contact on the front and back. Please contact us at any time.

Key Features

Fixed transfer

This product is applicable to numerous areas of application that requires various different handling positions and directions, and which prevents misalignment caused by high-speed operation

■No contact both on the front and back of the wafer

This model makes contact with the edges of the workpiece only in order to solve the concern for pad scars caused by clamping and vacuum transfer.

Clean room compliant types available

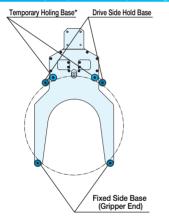
WHA series

Single-Side Driven Edge Clamp with Side Arm

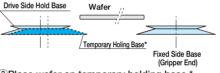
WHF series

Dual-Side (Synchronized) Driven Edge Clamp via Side Arm & Main Fork Clean packaging is not available

Wafer Clamp Operation (Enlarged View) *WHA series (single-side driven type with side arm only)



①This device receives wafer with holding base on the drive side open



2Place wafer on temporary holding base.*

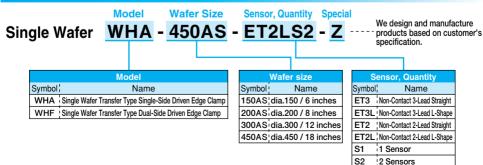


3 Clamp wafer with holding base at drive side



*Temporary holding base is WHA-200AS-4 and HA-300AS-6 only.

How To Order



Model		WHA-200AS	WHA-300AS	WHA-450AS	WHF-200AS	WHF-300AS
		For Layout Drawing 380P	For Layout Drawing ▶381p	For Layout Drawing 381p	For Layout Drawing >382p	For Layout Drawing ▶382₽
Transfer Workpiece		Wafer				
Workpiece Size		dia.200	dia.300	dia.450	dia.200	dia.300
Transfer Method		Edge Clamp				
Transfer Quantity		1 piece				
Drive System	Closed	Spring (Clamp Method)				
	Open	Vacuum Pressure -60KPa to 95KPa (Addition of Negative Pressure Cylinder)				
Total Jaw Stroke		10mm				
		(Clamp 7mm, Clamp Stock 3mm)				
Grip Force		2 .4N to 1 .9N Approximately 7N 2 .4N to 1 .9N		o 1 .9N		
Cleanliness		FED Standard Class 1 (Vacuum Required)				
Fork Material		CFRP				
Top, Temporary Holding Base, & Pad		PEEK				
Weight		Approximately 0.4kg	Approximately 0.5kg	Approximately 1.7kg	Approximately 1.2kg	Approximately 1.7kg
Option		Open & Close Confirmation Sensor				



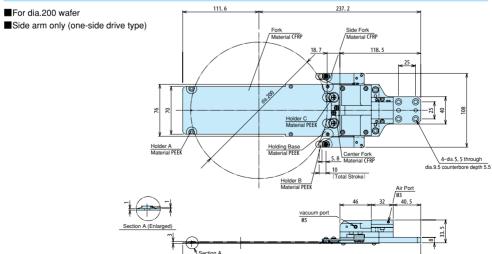
For CAD data, please go to >518p



Layout Drawing

WHA-200AS-Z

WHA-200AS-Z (Reference Chart)

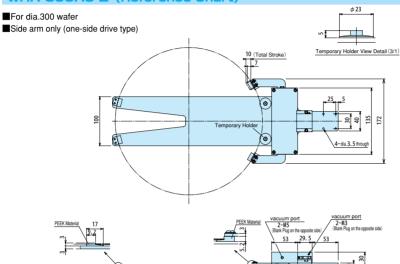


Wafer Transfer Hand WHA/WHF Series

Layout Drawing

■WHA-300AS-Z

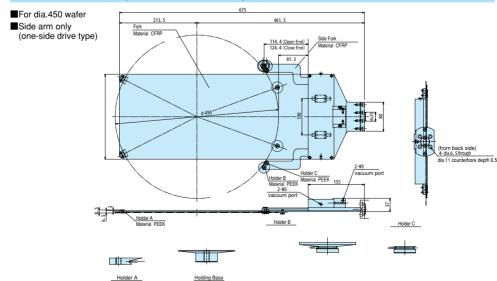
WHA-300AS-Z (Reference Chart)



459.5

■WHA-450AS-Z

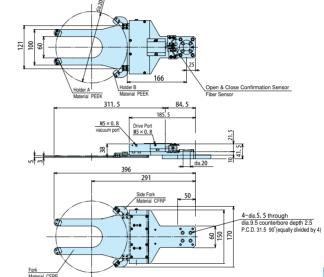
WHA-450AS-Z (Reference Chart)



■WHF-200AS-Z

WHF-200AS-Z (Reference Chart)

- For dia.200 wafer
- Side arm + main fork (dual-side drive type)







■WHF-300AS-Z

WHF-300AS-Z (Reference Chart)

For dia.300 wafer ■ Side arm + main fork (dual-side drive type)

