



IEG Aligner-300xM

Intelligent Edge Grip Aligner

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MultiMetrixs IEG Aligner-300xM is a powerful plug-and-play solution that completes high accuracy wafer alignment under 3 seconds. The aligner incorporates the most advanced features from our innovative line of edge grippers, enabling shortening of the overall cycle time while delivering you inherent reliability and maximum value.

Key Features

Fast alignment – under 3 seconds

High performance accuracy and repeatability

Soft-touch mechanism

Controllable gripping force

Edge grip self-centering

No backside contamination

Class 1 clean-room compatible

Easy to use and install

Fully electrical modular design

Compact footprint

Unique Capabilities

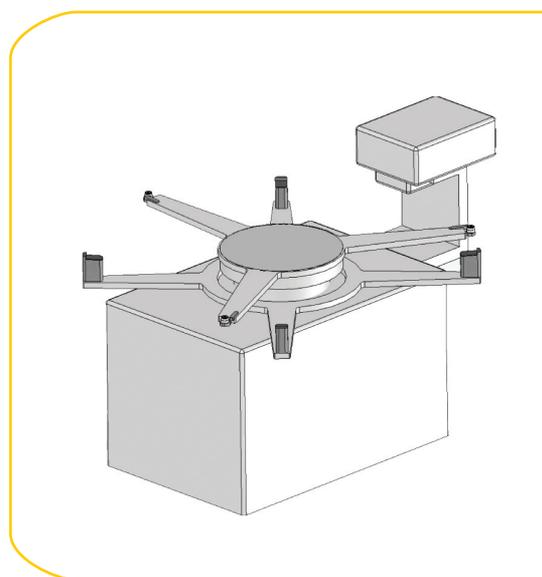
■ The aligner's patented **soft-touch mechanism** with **programmable gripping force** enables the gripping tips to gently touch (hug) the wafer. This feature prevents wafer stress and particle generation while maintaining secure hold with constant optimized gripping force regardless of wafer size and thickness deviations, helping you achieve higher throughput.

■ The IEG Aligner-300xM comes with a patented edge grip **self-centering feature** that allows end users achieve significantly higher reliability and helps minimize particle creation associated with friction during wafer shifts and drops.

■ As with all MultiMetrixs wafer-handling products, the IEG Aligner-300xM has absolutely **no back side contamination**

Easy Setup

The IEG Aligner-300xM is equipped with graphical user interface that provides simple and fast setup and modification. It is a plug and play solution that doesn't require any additional peripherals. The aligner uses available system power and is compatible with most operating systems and hardware platforms. RS-232, RS-485, or Ethernet ports allow for standalone and networked operation.



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Aligner Specifications

Item	Specifications
Dimension	360(W)x258(D)x322(H)
Wafer size	300mm (12")
Alignment accuracy	Centering X-Y: $\pm 0.025\text{mm}$ Angle: $\pm 0.05^\circ$
Alignment time	Within 3 sec/wafer
Utility requirement	Input power: 24V DC/3A
Interface	Ethernet, RS-232C and RS-48