IEG Aligner-300xM

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.

### Aligner Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
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<tbody>
<tr>
<td>Dimension</td>
<td>360(W)x258(D)x322(H)</td>
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<tr>
<td>Wafer size</td>
<td>300mm (12&quot;)</td>
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<tr>
<td>Alignment accuracy</td>
<td>Centering X-Y: ± 0.025mm Angle: ± 0.05°</td>
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<td>Alignment time</td>
<td>Within 3 sec/wafer</td>
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<td>Utility requirement</td>
<td>Input power: 24V DC/3A</td>
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<tr>
<td>Interface</td>
<td>Ethernet, RS-232C and RS-48</td>
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