



Office – (512) 971-1531  
 Fax – (512) 312-5977  
 Email - SSIParts@austin.rr.com

## **ALS-1715**

### **Printable Data Page**

## **ALS-1715 System Configuration**

<b>Lens</b>	G-Line, Zeiss 10-78-46 .38na
<b>AWHIII</b>	Automatic Wafer Handler configured to cycle 25 6” wafers. May be configured for 3” to 8” wafers. 1”, 2”, or single chips may be loaded by hand.
<b>Thetalll</b>	Automatically levels wafers. Chuck maybe tilted with software corrections to optimize field flatness.
<b>RMS10</b>	Ten 5” reticles made be loaded and stored.
<b>Maxi 2000</b>	G line light source uses 1000W lamps.
<b>AFS 100</b>	Automatic Focusing system.
<b>DFAS</b>	Local alignment system measures and corrects stage alignment prior to stepping.
<b>SmartSet</b>	Metrology computer system used to process and store data necessary to match single or multiple steppers.
<b>Insitu</b>	Probe mounted to stage and used to measure and correct for lens reduction, rotation, and focus. It also measures and corrects system alignment baselines.
<b>IQ Probe</b>	Probe used to optimize lamp position and light source uniformity. It also accurately measures and corrects Dose.
<b>PPCII</b>	Programmable platen control automatically adjusts reticle load position without the need for hardware adjustments.
<b>IAS</b>	Integrated Alignment System performs digital alignment of global targets.
<b>Chamber</b>	8860 environmental chamber protects the stepper while maintaining temperature and cleanliness.

## **ALS-1715 Specifications**

<b>System Resolution</b>	0.9um Line/Space
<b>Depth of Focus</b>	1.5um
<b>Illumination Uniformity</b>	±2.5%

<b>Illumination Intensity</b>	<b>&gt;300mw/cm<sup>2</sup></b>
<b>Open Frame</b>	<b>No Repeaters</b>
<b>Reduction</b>	<b>±0.1um</b>
<b>Rotation</b>	<b>≤0.05um</b>
<b>Telecentricity</b>	<b>≤1.5ppm/um</b>
<b>Stepping Repeatability</b>	<b>≤0.15um</b>
<b>Global Alignment</b>	<b>±0.25um</b>
<b>Local Alignment</b>	<b>±0.15um</b>
<b>RMS Reliability</b>	<b>100 Cycles</b>
<b>Reticle Blade Accuracy</b>	<b>±0.25mm</b>
<b>AWH Reliability</b>	<b>100 Wafers</b>
<b>AWH Accuracy</b>	<b>±0.003”</b>
<b>Leveling Repeatability</b>	<b>±5ppm from nominal</b>

**Please Call for Details (Pricing, Installation, Warranty).**