

## GCA AutoStep 200 System Tropel 2145-I Lens

The **AutoStep 200** System is a microlithography exposure system for the production of advanced devices.

It Features the following:

- Tropel 2145-I line lens and Maximus illuminator for submicron production.
- ACS-Atmospheric Compensation System for focus and Magnification control.
- MicroDFAS Alignment System and mapping for overlay on all levels.
- Metrology, Calibration, and Diagnostics via Smart Set.
- Automatic reticle transfer and alignment, including bar code reader and fully independent aperture blades.
- Modified AWH for various wafer size loading and alignment.
- Dual Microscope Objective LED Illumination Upgrade.
- Extended Column Motion Upgrade.
- Environmental Chamber for Maximum stability and contamination control.

### SPECIFICATIONS

<p><b>REDUCTION OPTICS:</b></p> <p>LENS Resolution Depth of Focus Reduction Ratio Field Size Numerical Aperture Wavelength Illumination Uniformity</p>	<p>Tropel 2145 I-Line with ACS .65 micron 1.25 micron TIR 5:1 21 mm diameter 0.45 365nm ±2.5%</p>
<p><b>Alignment:</b></p> <p>Global Local</p>	<p>.25µm Mean + (3 sigma) .15µm Mean + (3 sigma)</p>
<p><b>Material Handling:</b></p> <p>Reticles  Wafers</p>	<p>10 cassette library 5" x 5" (up to 0.250" thick) Fully Automatic  1 SEND, 1 RECEIVE cassette 3.0" to 8" wafers (automated) 10x10mm to 8" (hand Loaded)</p>

# GCA AutoStep 200

Refurbishment · Installation · Warranty  
Training · Applications · Preventive Maintenance

