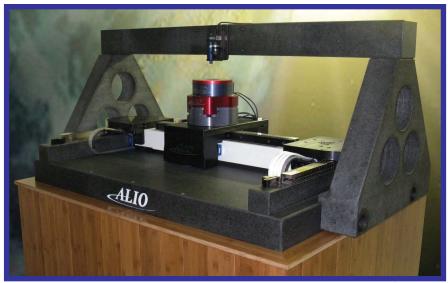
## **ALIO** 6-D Laser Processing



## with ALIO's Unique 6-D Point Precision™

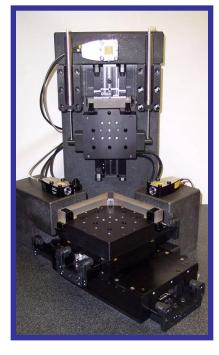
## ALIO Air Bearing Nano Laser Processing

- Industry Leading Precision
- Laser Machining
- Laser Lithography
- Planar Air Bearing Travel Ranges
- 300mm Planar XY Travel Scalable to 3m+
  Specifications\*
  - Accuracies below 50nm
    - Bi-Directional Repeatability below 10nm
    - □ Velocities from µm/sec to over 1 m/s
    - □ Flatness of Travel < +/- 1 µm / meter
  - □ Pitch/Roll < +/- 1 arc-sec / meter
  - □ Yaw ~ +/- 0.2 arc-sec
- Customer Configured Orientations Available
- □ MTBF >> 40,000 hours
- ALIO'S Planar Air Bearing Systems are Patent Pending \*All Specs are System Configuration Dependent, Consult Factory.

ALIO's Large Scale Nano Precision Laser Processing Solutions Offer Industry Leading Performance Backed by Unmatched Reliability and ALIO's Outstanding Customer Support

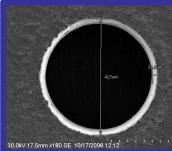
## 6-D Nano Precision<sup>®</sup> Motion Systems

Compact Air Bearing Solution for True Nano<sup>®</sup> Precision





Air Counter Balanced Air Bearing Z-Stage for Extreme Focus Precision

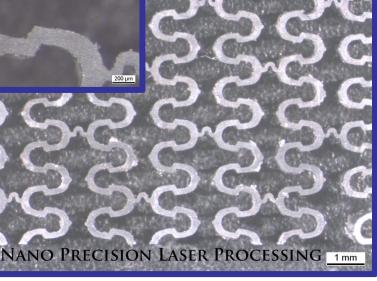


XY Circle Interpolated Laser Machined Hole



Patent Pending Planar Air Bearing Technology





Stent and Clip Photos Courtesy of Politecnico di Milano and IPG-Italy

11919 I-70 Frontage Road North, Unit 119, Wheat Ridge, CO 80033 – 303.339.7500 – sales@alioindustries.com



User Defined Laser Process Configurations for OEM Applications 1-Axis to 6-Axis Integrated Solutions with Point Precision™

