

Corporate Overview

Difficult is routine, Impossible just takes a little longer..



Who We Are

- Precision Imaging Engineering Company
- Imaging and Patterning Services
- Imaging Software
- Locations – Minneapolis - HQ, Colorado Springs – Eng/Data, East & West U.S and UK – Sales, Singapore – Joint Venture
- Celebrating our 46th year

Our Mission

Our Mission at Infinite Graphics is to be the Preferred Supplier of Precision Digital Imaging Solutions at a level of Excellence that Inspires our Customers to Recommend Us to others.



What We Do



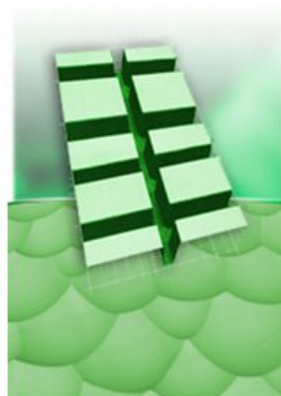
Photomasks

High Quality Photomasks utilizing 40+ years of precision optical experience. Reticles, Medium and Large mask format capabilities. IGI also has repair and cleaning services



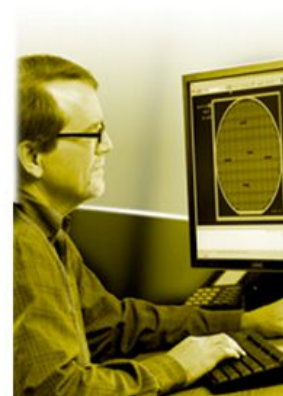
Phototooling

IGI specializes in application specific phototools that push the boundaries of technology.. High resolution films with huge data files, metrology, AOI, and CAD reference



3D & Sculpting Patterning

The NanoSculpt™ 3D Solution Set provides customers with advanced nano/microstructure Technologies and techniques. Create unique surface textures and create shims and molds for replication



Software

Software for many precision graphics applications for Data conversion, Stencils, Manufacturability, Electrical Test, Design and Design Support



Patterned Products

Customized Engineering Solutions for OEM subassemblies, Lenses, Masks, Reticles, Gauges, Overlays, Grids and Calibration Standards. Coatings and Data Conversion

Applications and Markets



MEMS

Photomasks, Photo tooling, 3D & Sculpted Patterning for various types of MEMS devices



Semiconductor Packaging

Photomasks, Photo tooling and films for various packaging layers



Optical

NanoSculpt to create micro lens arrays, diffusers, micro mirrors, anti-reflection surfaces



Ablation

Ablation masks using quartz with aluminum coating for laser patterning and micromachining



Medical

3D textures and sculpted patterns for device surfaces and bio-mimicking



Structured Material Mfg.

3D software and manufacturing to create masters, shims and molds



Metrology

Precision graphics for calibration grids, encoders, templates and reticles, rulers, resolution targets



Graphics Software

Advanced software for phototools, solder stencil generation, probe testing and data conversion

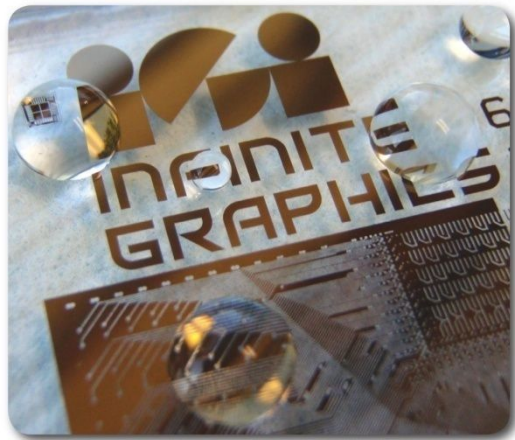
Products

- Photomasks, Phototooling, Patterned Products
 - Photomasks chrome, emulsion, AL, iron oxide, custom
 - MAM Masks (9" to 14")
 - Large Area Masks (Larger than 14" not display)
 - Custom Imaging Solutions
 - Glass Products / Manufactured Products
 - Direct Write on substrates such as silicon wafers
- New – NanoSculpt™ 3D Solution Suite
 - 3D Structures and Patterning
 - Shims & Molds
 - 3D Subassemblies
- Software
 - Design for Precision Graphics Applications
 - Data Clean-up & Analysis
 - Imaging/Rasterization

Standard Capabilities

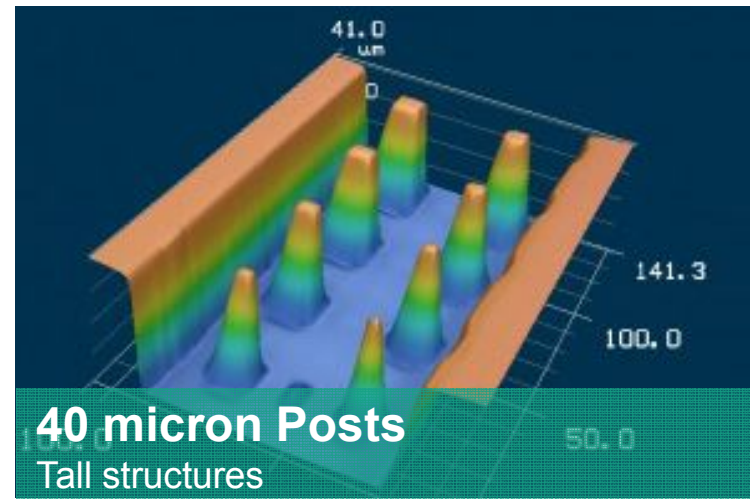
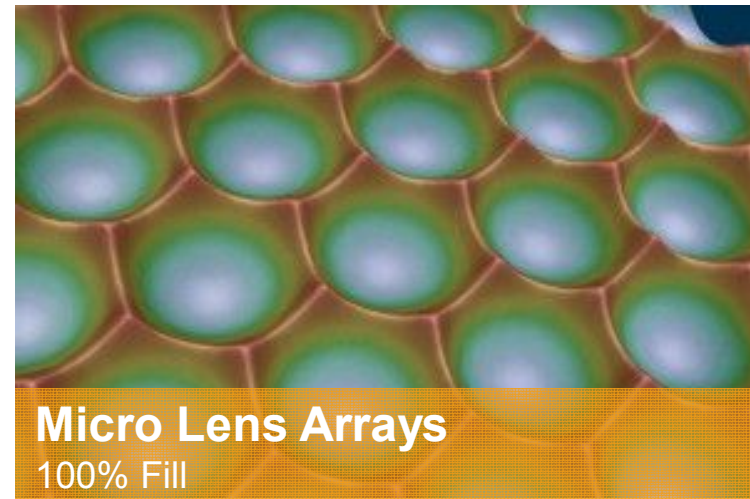
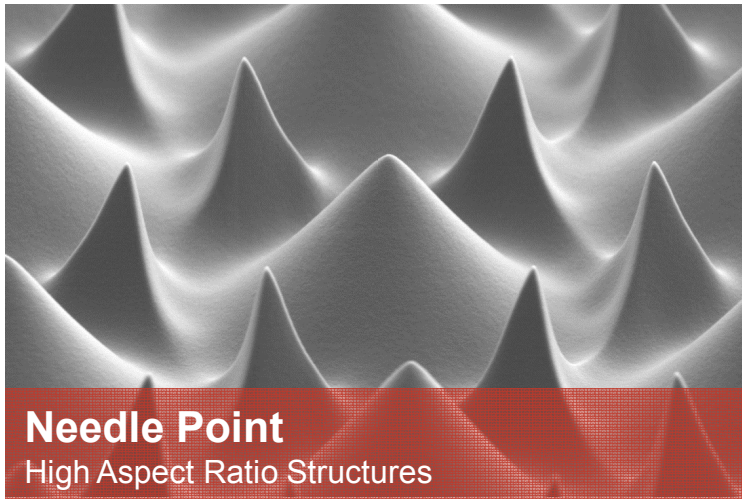
- 820mm x 940mm write area
 - Minimum feature size 0.8 microns
 - CD tolerance down to 100 nanometers
 - Minimum defect size 500 nanometers, 1 micron fast turn
 - DRC, Die to die and CAD Reference
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- ISO 9001: 2008 Certified
 - ISO Certified since 12 May 2000
 - Verisys Registrars
 - Cert No. I100909
 - ITAR Registered

Extended Life Photomasks



- **X-301 Mask Finish**
Anti-stiction, abrasion resistant, chemical resistant, fluoropolymer
- **SLP-10 Mask Finish**
Extreme anti-stiction fluoropolymer finish for applications with high stiction photoresists such as SU-8

NanoSculpt™ 3D Solutions



Shims and Molds

- Flat Surfaces
- Curved Surfaces
 - Inside
 - Outside
- Injection Molding
- Stamping

Grayscale

- Multi-Density Photomasks
- Continuous Tone Masks
- Image direct to Customer substrates
- PR master for shim manufacturing

Software

- Software Products
 - Design and Design/Process Enhancement
 - CAM for Phototools and PWB Manufacturing
 - Imaging DRC
 - Electrical Test Output
 - Sculptured Surfaces
- Custom Software for Imaging Projects
- Imaging, Rasterization & Optimization for OEMs
 - AOI
 - Ink Jet Printing
 - Electrical Test
 - Laser Printing

Unique Advantages

- Willingness to Do Whatever the Customer Needs
- Personal Technical Support
- Large, Experienced Technical Staff
- Exceptional Customer Service
- Strategic Relationships
- Extended Life Photomasks and Unique Coatings
- Sculptured Photoresist, Shims, & Molds
- Material Deposition for Unique Coatings & Substrates
- Grayscale Imaging
- Software Development

Sales and Marketing

- Global Supplier
- 5 Direct Sales Staff – Americas, EMEA
- European based Sales Support
- Inside Sales and Support Team
- Reps in:
 - Korea
 - Japan
 - Taiwan

Technical Staff

- Large Technical Staff for a Small Company
 - 4 Physicists
 - 1 Mathematician
 - 3 Engineers
 - 4 Technicians
- 24 years average industry experience

Customer Service

- Many Customers with 15+ Year Relationships
- Long Term Suppliers, OEMs and Partners
- IGI is committed to Delivering what our Customers and Partners need – when they need it!

IGI Summary

- We help our customers succeed by utilizing our precision imaging and software capabilities in innovative ways.
- Collaboration with our customers is key - from the product concept stage through prototype design to volume manufacturing.
- We use our 45+ years of precision imaging experience to bring our customers' ideas to life.

Thank You

