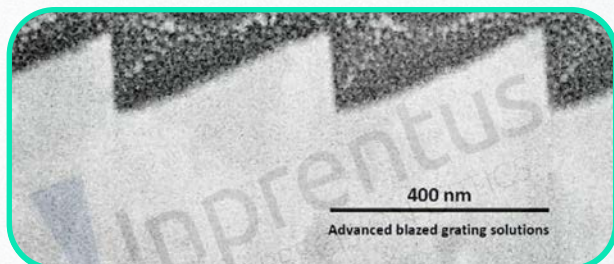


Upgrade Performance with Custom Gratings



Markets



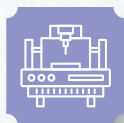
Synchrotron Gratings

Upgrade your beamline
throughput and resolution.



Semiconductor Gratings

Optimize EUV lithography
and metrology tools.



Defense and Specialty Echelles

Infrared echelles for
sensing and beyond.



Spectroscopy Grating Masters

Custom masters for UV-
VIS-IR spectroscopy.



Augmented Reality

Replication friendly blazed
waveguide masters.



FEL Gratings

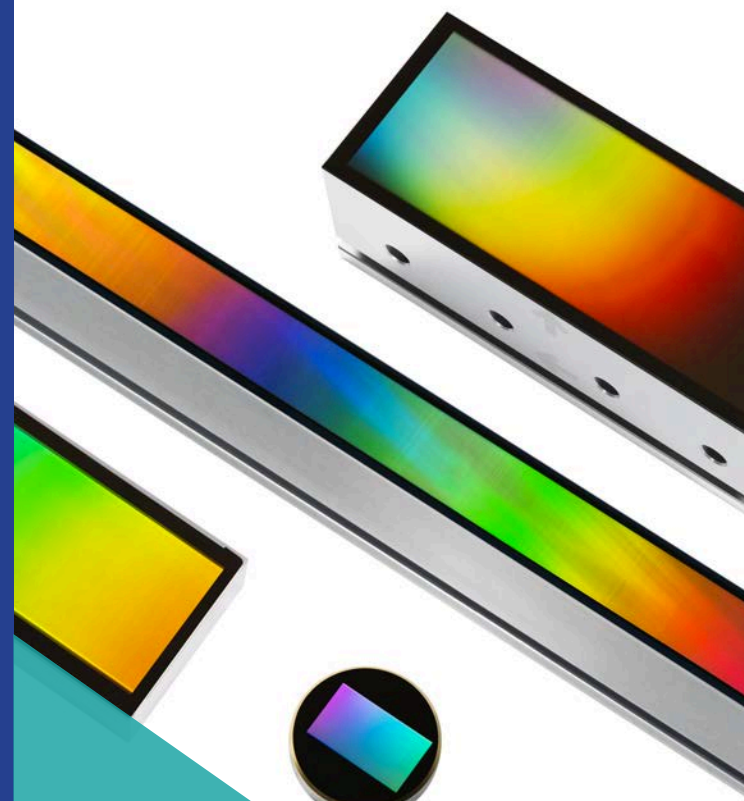
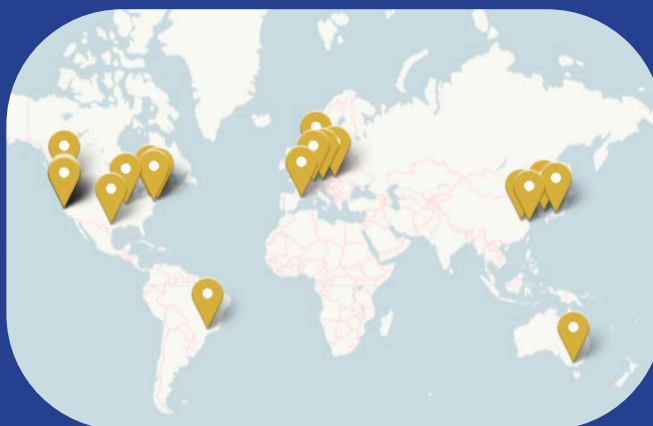
Beamline and shot to shot
diagnostics.

Capabilities

Efficiency guarantee
Comprehensive metrology report
Blaze angles 0.1° - 90°
Line density 50 - 6000 per mm
Varied line spacing
Facet roughness < 0.5 nm RMS
Versatile substrates
Planar and curved substrates
Overcoating for wavelength selection
Diffraction-limited resolving power

Global Customers

Inprentus has 12+ years of expertise in developing, manufacturing, and assessing key properties to benchmark a grating's performance. With deep subject matter expertise stemming from first principles of optics, Inprentus can provide you with world class solutions and quick turn-around for your optical grating needs.



Blazed Gratings
Design,
Manufacture,
and Metrology



INPRENTUS

PRECISION OPTICS

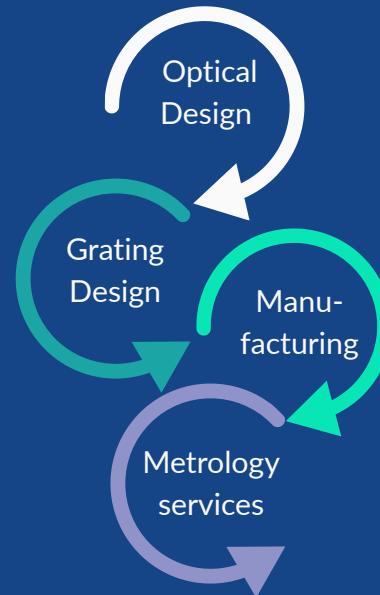
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Inprentus Advantages

- ✓ Fast Turnaround
- ✓ High Resolving Power
- ✓ Combine Focusing & Dispersion
- ✓ Low Stray Light
- ✓ UHV Compatible
- ✓ High-efficiency Blazed Masters
- ✓ Replication friendly
- ✓ Mechanically Robust
- ✓ Optical Design Consultation

End-to-end Solutions



Contact



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Modern Manufacturing

Inprentus' advanced mechanical ruling technology and blazed nanostructures give unparalleled optical performance, while our simple manufacturing process and modern ruling engines reduce complexity and are highly advantageous for scaling up for the consumer market.



Inprentus clean room
with proprietary rulers