

Quartz Master Mold for Optical Nanostructures

DNP

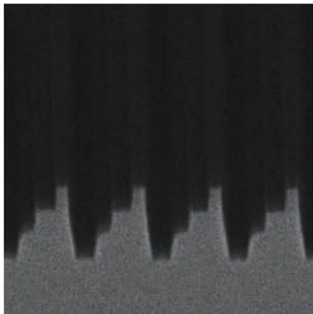
SUMMARY AND ADVANTAGES

- Support Quartz Master Mold for AR waveguides, microlens arrays and metasurfaces

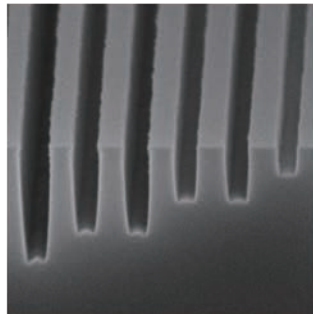
FEATURES

- Nanometer-precision patterning on quartz substrates
- Multiple 3D nanostructures on a single mold
- Large-area fabrication (up to 6-inch square size)
- Multi-step, multi-depth, blazed and slanted surface profiles with nanometer precision are available

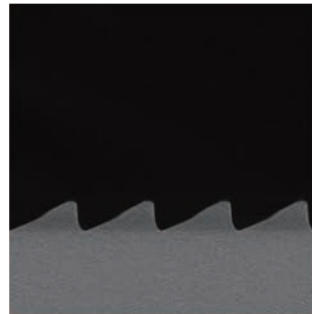
Quartz Mold's Cross Sectional SEM Images



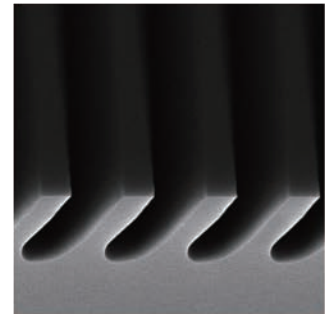
Multi-step
(4 Level)



Multi-depth



Blazed



Slanted

APPLICATIONS

- Waveguides for AR Display
- Microlens Arrays
- Metasurfaces

CONTACT

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