ADVANTAGES AT A GLANCE

LOW ROUGHNESS AND HIGH REFLECTION VALUES

- Roughness less than 1nm possible

SHORTER PROCESSING TIMES UNTIL FINAL ROUGHNESS IS ACHIEVED

- Savings in pre-processing
- Excellent machinability of Superflat Si

FREE CHOICE OF MIRROR MATERIAL

- final machining of Superflat Si and not the mirror material

SIMPLE SHAPE CORRECTION PROCESSING WITHIN THE COATING

- Spherical, aspherical, free-form

WIDE WAVELENGTH RANGE

- From EUV to IR

HOMOGENEOUS CHARACTERISTICS

- Machinable from the first nm

COATING OFFER

Technology independent

Development partner for your high-performance coatings

Advanced concepts for automation and industrialization of the coating process

Full customer service including packaging, logistics and transport

ISO 9001 QUALITY MANAGEMENT SYSTEM CERTIFIED

ISO 14001 QUALITY MANAGEMENT SYSTEM CERTIFIED

IATF 16949 CERTIFIED

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Innovation in Motion Miba

SUPERFLAT Si surface for mirrors

- **Low roughness**
- **Material independet**
- **Easy polishable**

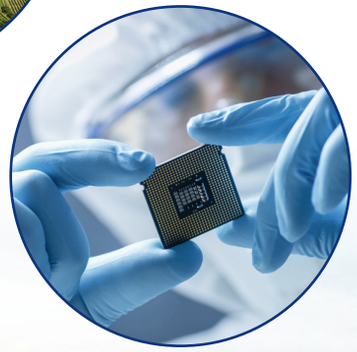
TECHNOLOGIES FOR A CLEANER PLANET

APPLICATIONS

SATELLITE COMMUNICATION

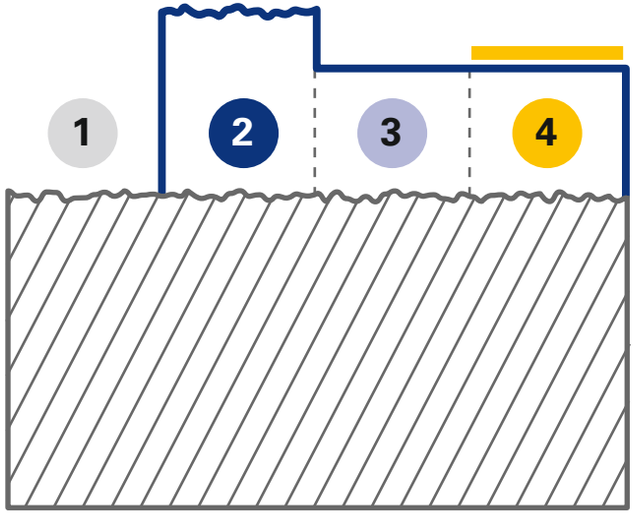
GALVO SCANNER FOR INDUSTRIAL LASERS

HIGH RESOLUTION IMAGERY



EUV REFLECTION

1. pre machined mirror
2. Superflat Si
3. Polishing step
4. Finished mirror with reflective coating



FREE CHOICE OF MIRROR MATERIAL

- Metals
- Ceramics
- Alloys

PROCESS AND POSSIBILITIES

- Amorphous Silicon PVD Coating
- Single piece and large-scale production
- Component size up to 1300mm feasible
- Layer thicknesses from 1µm to 100µm possible

MECHANICAL POST-PROCESSING

Superflat Si enables versatile mechanical post-processing

UP DIAMOND MACHINING

POLISHING METHODS

ION BEAM MILLING