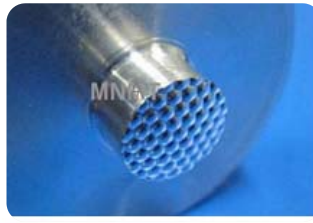


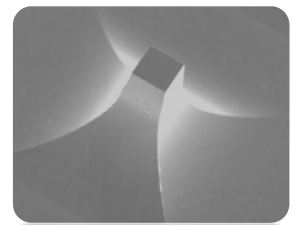
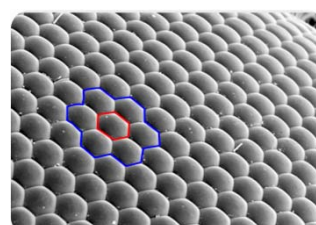
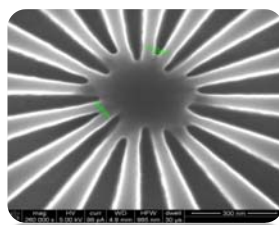
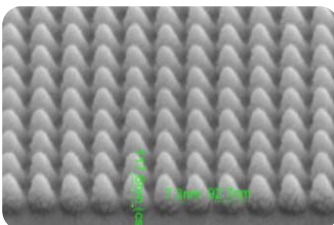
Freeform and Structured Surfaces



MNA Innovation is specialized in designing and manufacturing freeform components and structured functional surfaces. MNA Innovation provides high-quality moulds and does optical moulding.



- **High Profile Accuracy:** submicron or even higher*
 - **Low Surface Roughness:** nanometers in Ra*
 - **Low Cost:** save the cost up to 50% or even greater
 - **Various Materials:** metals, polymers, ceramics, glasses, semiconductors
- (* Depending on the materials)



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Email: info@mnainnovation.com



Professional at moulds!

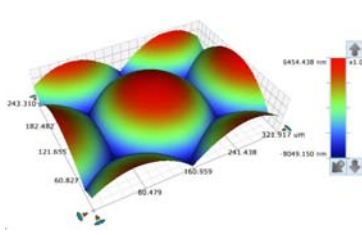


High Form Accuracy

- Regular Form: sub-micron or even higher
- Freeform: sub-micron or micron

Low Surface Roughness

- Nanometers in Ra on mould steels, copper, aluminium and polymers



Complex Form Design

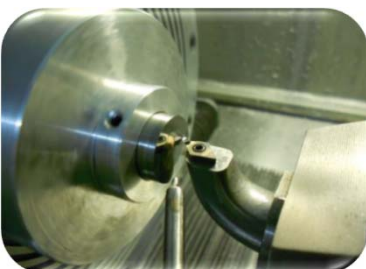
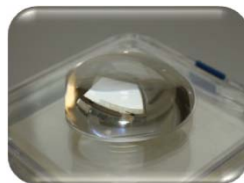
- Freeform
- Functional micro-structures

Low Cost

- Save the cost up to 50% or even greater

Optical Moulding

- Prototyping
- Mass production



High-quality Moulds Making

- Ultra-precision machining on various materials, such as mould steels, copper and nickel-phosphorus alloy

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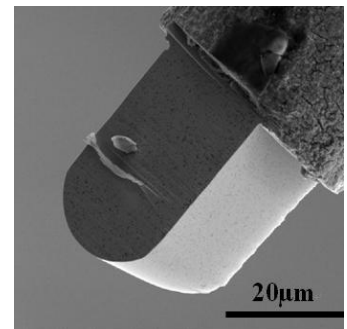
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Precision and Ultra-precision Manufacturing



MNA Innovation provides the overall technical solution on precision and ultra-precision manufacturing. Our process chain covers the design, manufacturing, metrology and equipment customization.

We have done manufacturing over 30 years!



- **Precision Machining**
- **Ultra-precision Machining**
- **Ultra-precision Measurement**
- **Customization of Machines and Cutting Tools**

