

Ultra Precision Parts

Your dedicated partner for high accuracy parts and systems

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Axxicon has been manufacturing high accuracy plastic injection moulding moulds and parts for decades.

Our factory is fully equipped with the most High-End production and measuring machinery to reach the ever increasing high technical qualifications.

The High-Tech market progressively demands a full scale solution for the production of complex parts and systems with ultra-precise tolerances.

Axxicon is your partner in producing ultra-precision parts and systems by turning, grinding, lapping, polishing and assembly in a climate controlled production facility.

Tolerances

- Grinding accuracy up to 1 μm
- Turning accuracy up to 5 μm
- Lapping accuracy up to 1 λ
- Polishing up to surface roughness 5 nm
- Manual polishing (optical finish)



S H A P I N G Y O U R I D E A S



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What's in it for you?

- Modern production facility based in the Eindhoven region
- Short communication lines
- Flexible and reliable partner
- Over 30 years of experience
- Short lead times
- Competitive pricing

At Axxicon we deploy our highly trained professionals in order to achieve the highest accuracy possible. We use the most High-End equipment in a climate controlled production facility and collaborate with our carefully selected supply chain partners.

Grinding

- Studer S30 Lean Pro CNC
- Studer S31 Lean CNC
- Studer S30-1 (2x)

Polishing

- Stähli Ø 150 x 100
- Stähli (10x)
- Läpmaster 12 Ø 150 x 100
- Läpmaster (surface lapping)
- PCV/PGK

Turning

- Okuma LB15 CNC
- Okuma LB300 CNC

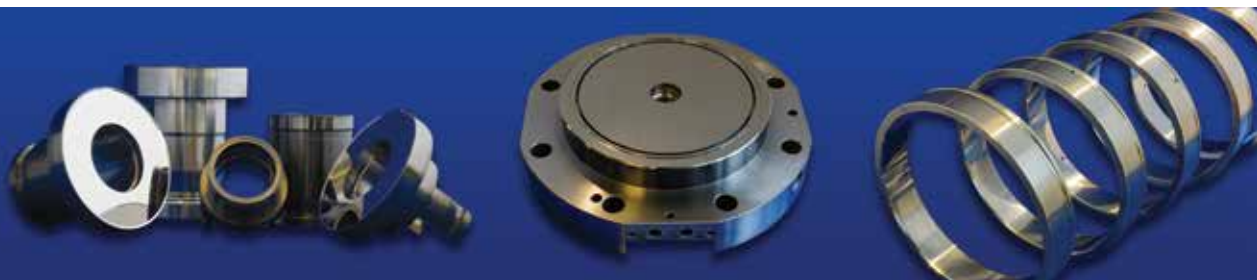
Assembly

- Up to 500Kg & 1000 x 1000 x 10000 mm

Quality inspection

- 3D Coordinate measurement (Zeiss Prismo Super ACC VAST)
- Concentricity and cylindricity measurement (Mahr Formtester MMQ44)
- Surface profile / roughness measurement (Mahr Perthometer PCV/PGK)

For a complete machine list we refer to our website www.axxicon.com



AXXICON

SHAPING YOUR IDEAS

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