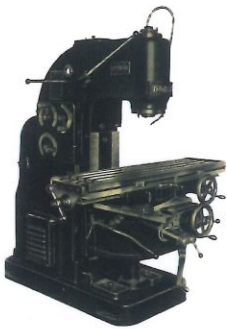
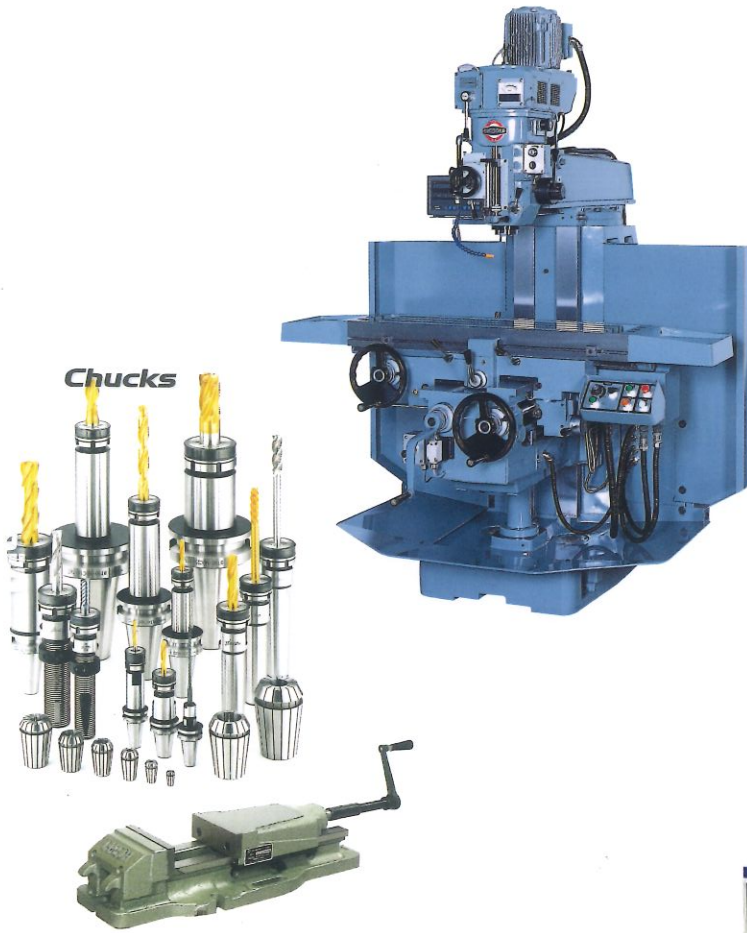


The
Arts of Machine Tools
since 1975



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MEGA SD Micro Drilling Sample 02
Realizing $\phi 10\mu\text{m}$ drilling

1. Top fine (Engineer plastic)	2. Photoveel II (Machinable Ceramic)	3. SK-3 (Steel)
Hole number : 25 holes Pitch : 0.1mm Depth : 0.05mm (Through hole)	Hole number : 100 holes Pitch : 0.1mm Depth : 0.03mm (Through hole)	Hole number : 25 holes Pitch : 0.1mm Depth : 0.05mm (Through hole)
Tools	Spindle speed (min^{-1})	Feed rate (mm/min)
1 $\phi 0.01$ Center drill	20,000	1.0
2 $\phi 0.01$ Drill	20,000	1.0

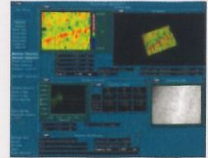

Laser type measurement
Minimum measurable : $\phi 0.01$



3D mirror finish machining **MEGA SS**

Mirror finish on hard material using carbide tool

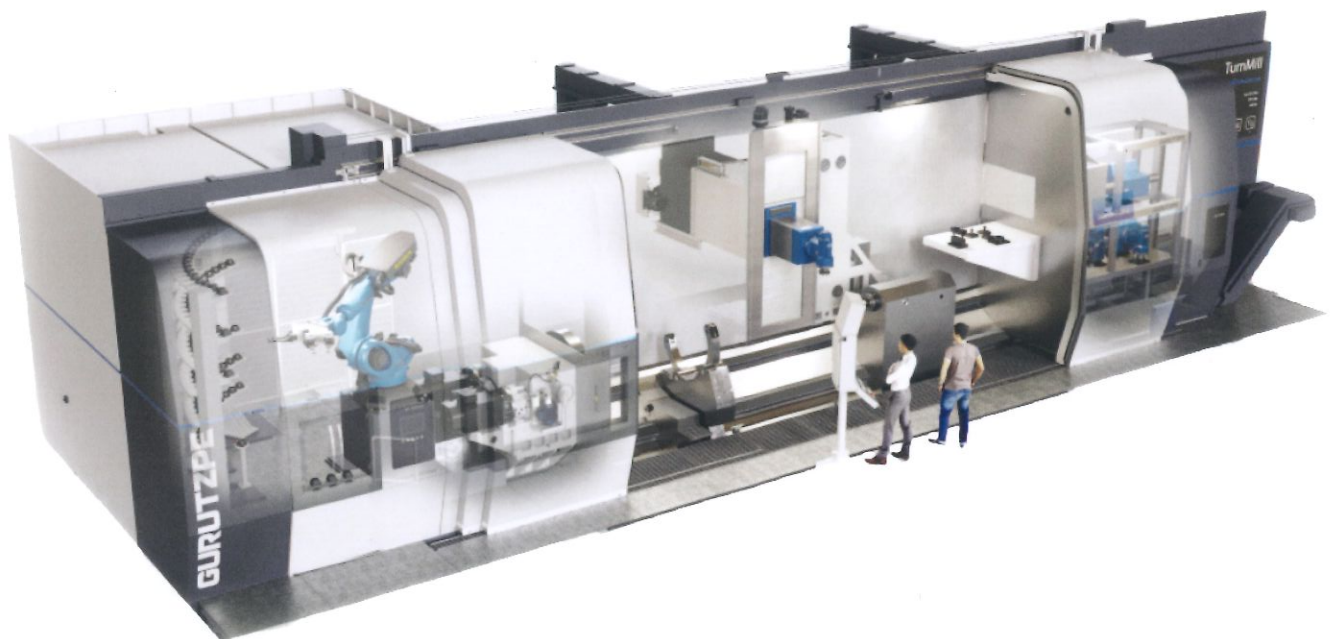
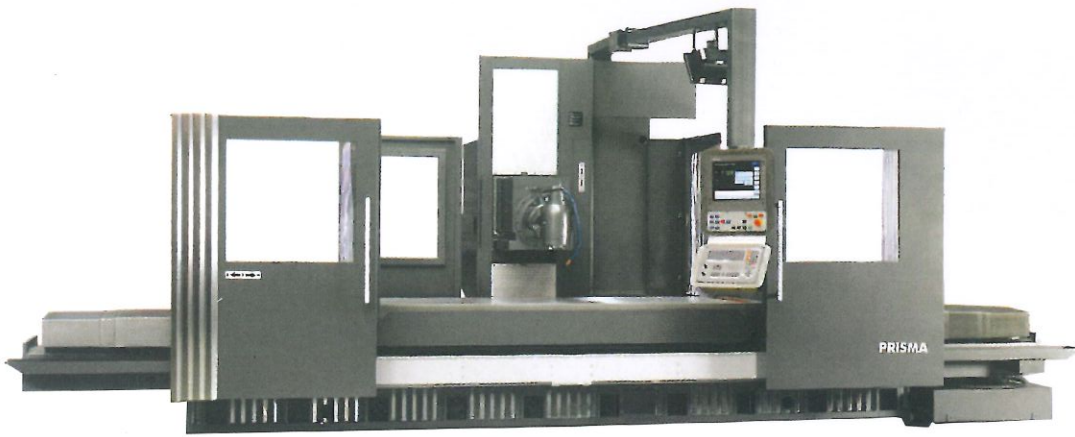
Material POLMAX
Hardness 52HRC
Dimension ... 30 x 30 x 30mm
Coolant Semi-dry

Pitch direction : Ra 17nm (Rz 84nm)
Cutting direction : Ra 9nm (Rz 32nm)



Think Micro Hard Turning instead of Grinding





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Profile

The company was established by a group of prominent machine tools people in 1982. Nobeltech has evolved continuously to provide specific solutions with the latest technologies and know-how to meet today's needs in the multi-axis and micro fine precision machining industries. (medical, semi-con, aircraft, automotive, oil tools and mold)

Over the years we have gained market recognition thru the sales of selective reliable brands and quality machines around this region, are supported with proven after-sales service.





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