

P20 Optical Mold Cutting Demo

Machine

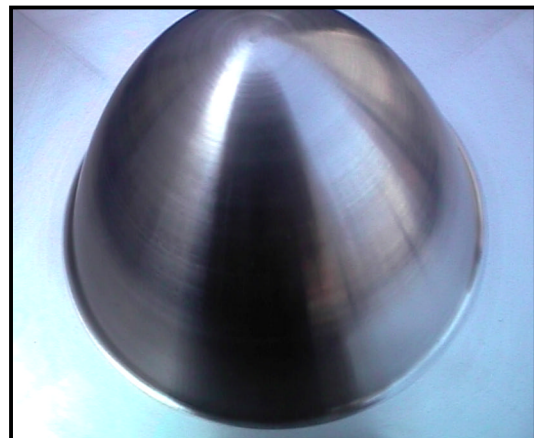
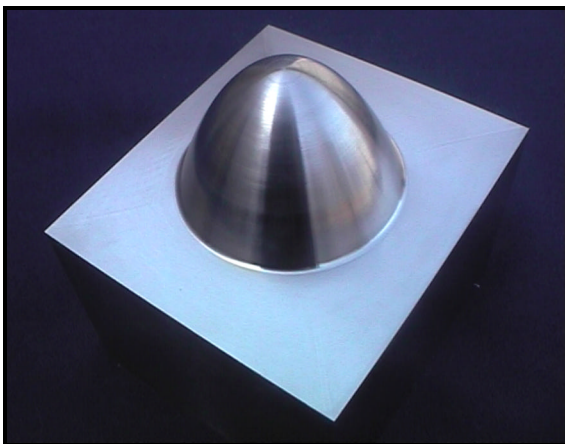
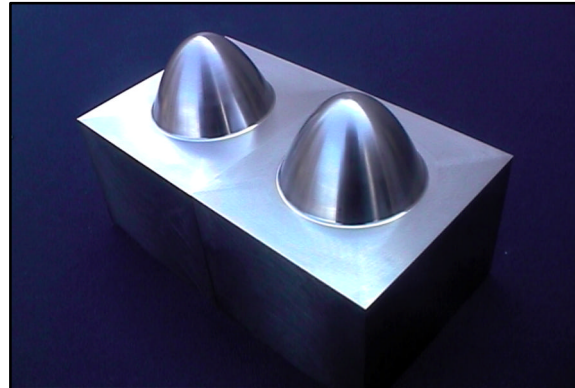
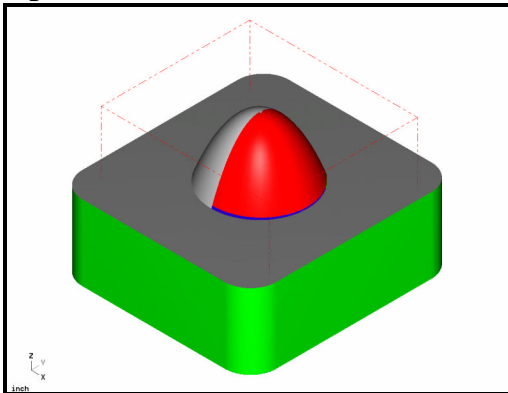
VIBRA-FREE Ultra-High-Speed-Hard-Milling machine center



- 3D Cutting feed-rate 472 in/min
- Advanced FANUC 16i-MA CNC with High Precision Contour Control (HPCC)
- NURB interpolation (Optional)
- Direct drive Super-High-Speed spindle (42000RPM)
- Rigid Vibration-Free close bridge structure
- Compact ATC with 18 tools
- Graphite & hardened tool steel milling (Up to HRC62) capability
- Designed and built in Japan

Part (Blank size: 3." x 3." x 3.")

Optical Mold Insert



Specifications

Number of program: 4
Number of cutting tool: 3
Stock material: P20 (HRC47~50)

Demo Summary

Stock Roughing

TOOLPATH	CUTTER	COATING	RPM	IPM	TIME (Min.)
Rough	4mm Ball EM	TiALN	33000	200.	140.
Total time					140. min

Mold Inset Finishing

TOOLPATH	CUTTER	COATING	RPM	IPM	TIME (Min.)
Semi - Finish	3mm Ball EM	TiALN	28000	200.	15
Finish	3mm Ball EM	TiALN	35000	100.	56.
Total time					71. min