

Harden Tool Steel Deep Groove Cutting Demo

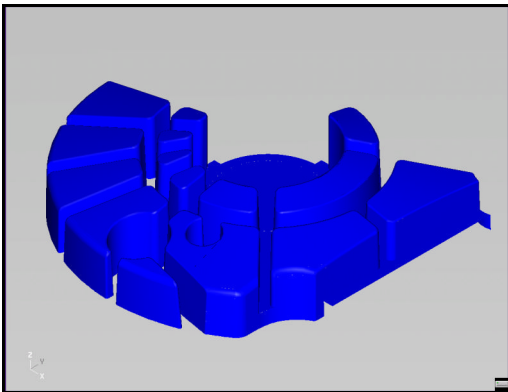
Machine

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



- 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

Part (Blank size: 3." x 2.5" x 1.")



Specifications

Number of program: 4
Number of cutting tool: 3
Stock material: SKD11 (HRc54)

Demo Summary

TOOLPATH	CUTTER	COATING	RPM	IPM	TIME (Min.)
Rough	1.5mm Ball EM	TiALN	30000	55	600
Semi - Finish	1.5mm Ball EM	TiALN	30000	47	15
Finish	2mm Ball EM	TiALN	30000	47	35
Total time					10hr 50 min