

Mold Steel Cavity Cutting Demo

Machine

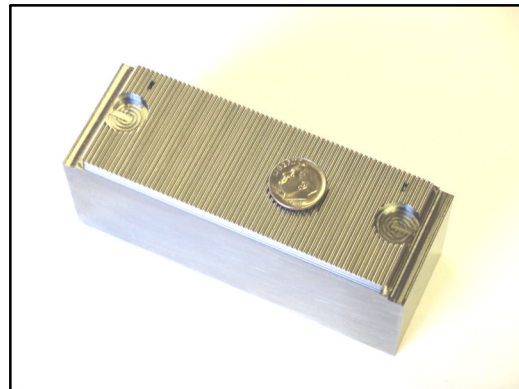
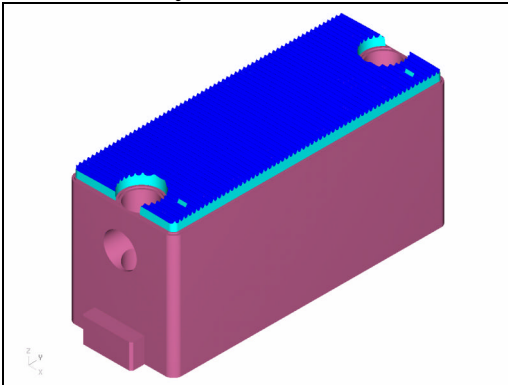
VIBRA-FREE high-speed machine center



- Cutting feed-rate 472 in/min
- Advanced FANUC 16i-MA CNC with High Precision Contour Control (HPCC)
- NURB interpolation
- Direct drive (motorized) Super-High-Speed spindle (42000RPM)
- Vibration-free rigid bridge type structure
- Compact ATC with 18 tools
- Graphite milling & harden tool steel milling (Up to HRC62) capability

Part (Blank size: 4." x 1.5" x 2.")

Mold Cavity



Specifications

Number of program: 6
 Number of cutting tool: 6
 Stock material: Mold steel (HRC50)

Demo Summary

TOOLPATH	CUTTER	COATING	RPM	IPM	TIME (Min.)
2D contour	3 mm Flat EM	TiALN	10000	50.	10.
2D contour finish	3 mm 2 degree Taper EM	TiALN	10000	35.	5.
Rough Groove	1 mm Ball EM	TiALN	40000	80.	70.
Semi finish	1 mm Ball EM	TiALN	40000	100.	22.
Finish	.8 mm Ball EM	TiALN	40000	70.	60.
Small Pocket	.8mm Ball EM	TiALN	40000	15.	10.
Total time					178.