

S7 Mold Core Cutting Demo

Machine

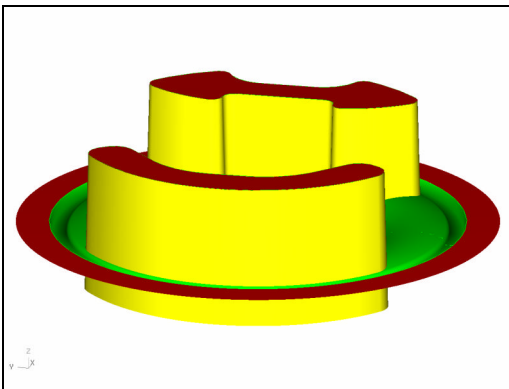
VIBRA-FREE high-speed machine center



- Cutting feed-rate 472 in/min
- Advanced FANUC 16i-MA CNC with High Precision Contour Control (HPCC)
- 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: Dia. 4.0" x Height 2.")

S7 mold core



Specifications

Number of program: 3 (666rough, 666mid, 666fin)

Number of cutting tool: 3 (T1, T2, T3)

Stock material: S7 tool steel RHC35

Demo Summary

TOOLPATH	CUTTER	COATING	RPM	IPM	TIME (Min.)
Rough	3mm ball EM	TiALN	30000	200	62.0
Semi-Finish	2mm ball EM	TiALN	40000	160.	10.0
Finish	2mm ball EM	TiALN	40000	120.	25.0
Total time					97.0