

## S7 Plastic Mold Insert Cutting Demo

### Machine

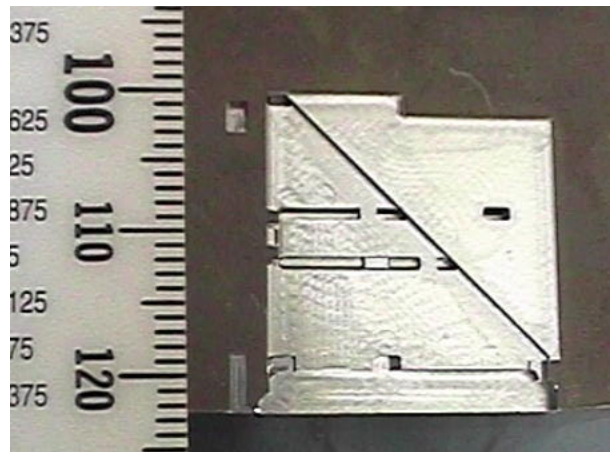
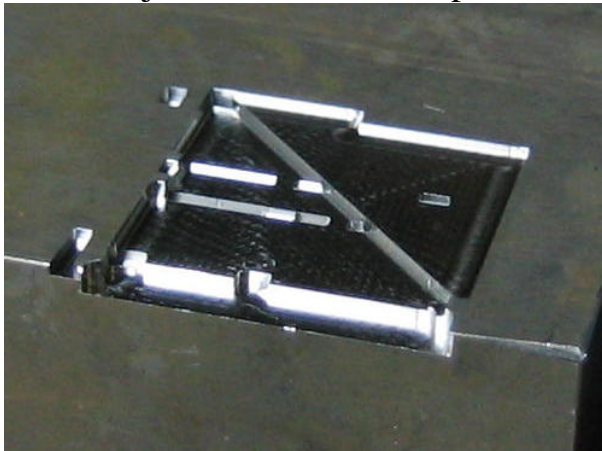
**VIBRA-FREE** high-speed machine center



- 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: 1.4" x 1.0" x .5")

Plastic Injection Mold for Chips



### Specifications

CAM: MasterCAM  
 Number of cutting tool: 4  
 Stock material: S7 tool steel RHC54-55

### Demo Summary

TOOLPATH	CUTTER	COATING	RPM	IPM	TIME (Min.)
Rough	2mm Ball EM	TiALN	30000	75.	4.0
Finish Bottom	2mm Flat EM	TiALN	26000	45.	3.0
Rough	.5mm Ball EM	TiALN	40000	10.	22
Finish	.4mm Flat EM	TiALN	40000	6.	20
Total time					49