

## Aluminum Cutting Demo

### Machine

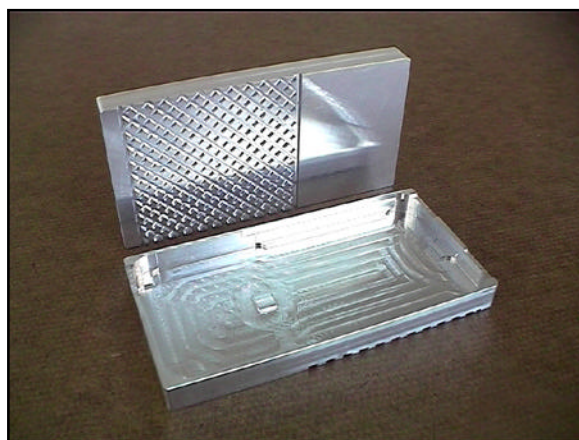
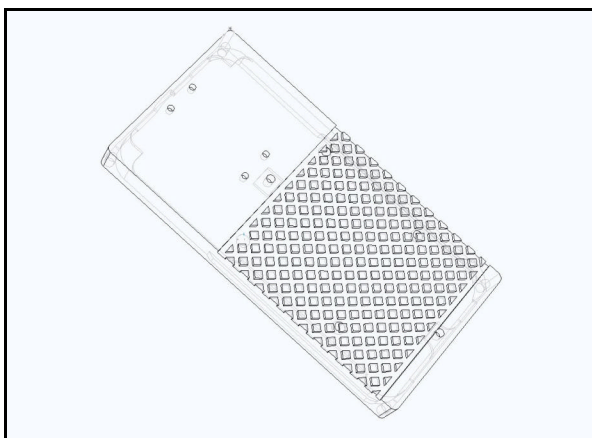
**VIBRA-FREE** Ultra-High-Speed-Hard-Milling machine center



- 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: 4." x 2." x 0.365")

### **Aluminum Base**



### Specifications

Number of program: 2  
 Number of cutting tool: 2  
 Stock material: Aluminum

### Demo Summary

TOOLPATH	CUTTER	COATING	RPM	IPM	TIME (Min.)
Cavity Side	6mm Flat EM	None	42000	350.	2:30
Grid Side Wall				100.	0:22
Grid Side	1.3 mm Flat EM	None	42000	150.	2:30
Total time					5min 30 sec *

\*Cycle time does not include ATC (Auto Tool Change) time.

File: 114-001 base-Bottom (Top).mc8