

H13 Aluminum Extrusion Die Cutting Demo

Machine

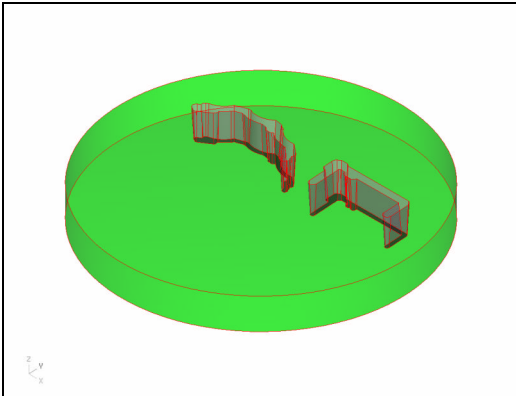
VIBRA-FREE high-speed machine center



- 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 9", Thickness 1.")

Aluminum extrusion die



Specifications

Number of program: 6

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

Stock material: Pre-harden H13 tool steel, 48RHC

Demo Summary

The following machine time is for 2 cavities shown on model above

TOOLPATH	CUTTER	COATING	RPM	IPM	TIME (Min.)
Rough cavity	2mm Ball EM	TiALN	36000	50	120
Finish wall	2mm Ball EM	TiALN	36000	75	90
Finish bottom	2.5mm taper EM	TiALN	20000	30	10
Total time					3hr40min