

Graphite Die & Mold Inc Graphite Cutting Demo

Machine

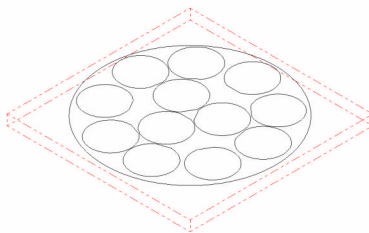
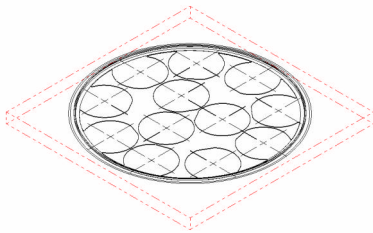
VIBRA-FREE high-speed machine center



- 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 & direct hard milling (Up to HRC62) capability

Part (Blank size: 17" x 17" x .4")

Wafer Carrier



Specifications

Number of sub-program :10 (GMD1-1,1-4,GMD2-1,2-6)

Number of cutting tool :8

Stock material :Graphite CG-27 with Density 1.81 +/-0.01 (gr/cm³)

Demo Summary

File name: GDM5.MC7

TOOLPATH	CUTTER	COATING	RPM	IPM	TIME
First Op.					
Pocket rough	½" FLT EM	Diamond	26000	200	3m16s
Pocket finish	½" Dove tail	None	32000	100	6m20s
Cut off	¼" EM	Diamond	40000	200	2m
Corner round	1/16" cr-EM	None	40000	200	1m30s
Second Op.					
Pocket rough	½" EM	Diamond	26000	250	11m
Corner finish	½" Bull EM	None	22000	100	3m20s
Bottom pocket	¼" EM	Diamond	40000	250	4m
Bottom clean up	1/8" EM	Diamond	40000	50	4m
Chamfer	30 deg. EM	None	36000	150	1m
Corner round	1/32 cr-EM	None	40000	200	1m35
Total time					38Min

*Loading time not included.