

Maxicut MX-158 CNC Sinker EDM Machine

Features

10 Orbit Patterns

Reduce the number of electrodes and achieve better surface finishes

Large Program Storage Capacity

110 programs with up to 8 steps in each

Password Protected Settings

The program can be password protected to prevent unauthorized changes

Auxiliary I/O

Ability to integrate ancillary devices such as rotary tables, indexers, and work piece handling systems

Linear Glass Scales with 1 Micron Resolution

Provides true, closed loop, position feedback for precise part positioning accuracy

FC-35 Grade Casting

High quality cast iron for increased rigidity and work piece capacity

External Data Transfer

Transfer programs with a USB memory stick or across a network using Ethernet

Integrated C Axis (Optional)

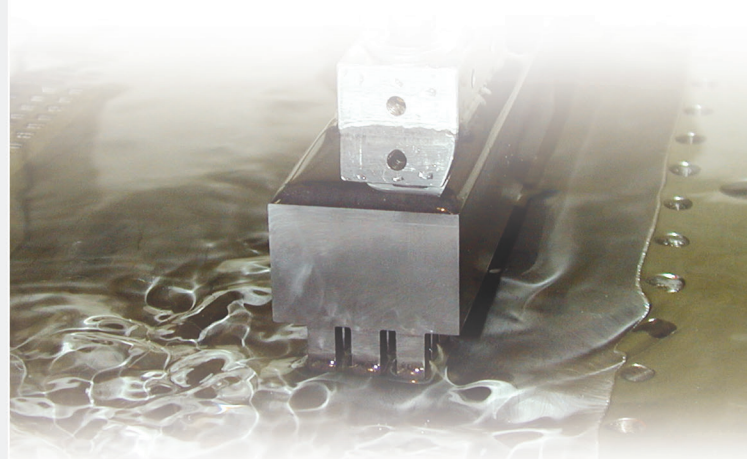
Position the electrode automatically, rotate round electrodes at a constant speed, and program synchronized motion for applications such as threads and spirals

Automatic Tool Changer – ATC (Optional)

Increase unattended machining by automatically changing electrodes

Adaptive Logic (Optional)

Difficult applications can be completed with no flushing without the risk of arcing



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Maxicut MX-158 CNC Sinker EDM Machine Specifications

		MX-158 CNC	
TRAVEL	X AXIS	31.4"	(800 mm)
	Y AXIS	19.6"	(500 mm)
	Z AXIS	15.7"	(400 mm)
OPEN HEIGHT *	MINIMUM	17.7"	(450 mm)
	MAXIMUM	33.4"	(850 mm)
WORK TABLE	WIDTH	35.4"	(900 mm)
	DEPTH	31.4"	(800 mm)
WORK TANK	WIDTH	58.2"	(1,480 mm)
	DEPTH	41.3"	(1,050 mm)
	HEIGHT	20.0"	(510 mm)
	MAXIMUM OIL LEVEL	14.1"	(360 mm)
DIELECTRIC RESERVOIR	CAPACITY	255 gal.	(970 liters)
WEIGHT CAPACITY	ELECTRODE ON T SLOT PLATEN	330 lb.	(150 kg.)
	WORK PIECE	8,800 lb.	(4,000 kg.)
GENERATOR	MAXIMUM PEAK CURRENT	200 A	
	ON AND OFF TIME	1 to 4000 μ s	
C AXIS **	ELECTRODE WEIGHT	STATIC	88 lb. (40 kg.)
	CAPACITY	DYNAMIC	66 lb. (30 kg.)
	MAXIMUM PEAK CURRENT	STATIC	100 A
		DYNAMIC	65 A
	MAXIMUM ROTATIONAL SPEED		35 RPM
FLOOR SPACE AND WEIGHT	WIDTH	148"	(376 cm)
	DEPTH	100"	(254 cm)
	HEIGHT	110"	(279 cm)
	MACHINE TOOL WEIGHT	9,240 lb.	(4,200 kg.)
ENVIRONMENTAL	ROOM TEMPERATURE	68 to 77°F	(20 to 25°C)
	RELATIVE HUMIDITY	40% to 55%	
UTILITIES	ELECTRICAL	220VAC \pm 10%, 60 Hz, 19 KVA	
	AIR	70 PSI @ 1CFM	(5 BAR @ 1.7 CMH)

* Open Height is measured from the T-slot platen to the table. ** Optional.

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