

Maxicut MX-166 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)

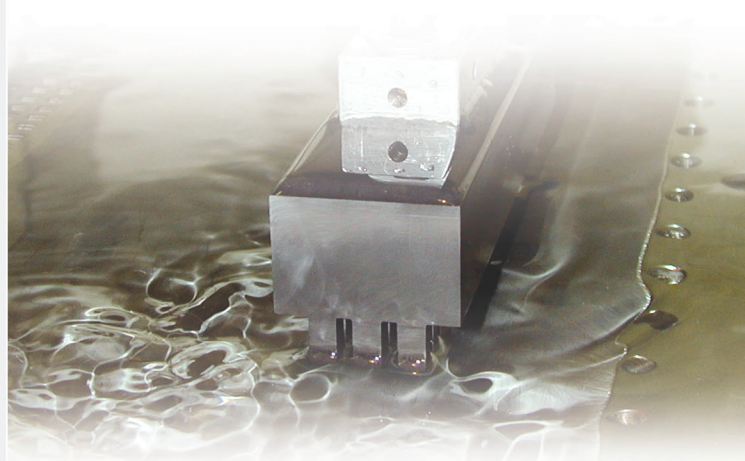
Position the electrode automatically, rotate round electrodes at a constant speed, and program synchronized motion for applications such as threads and spirals

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-166 CNC Sinker EDM Machine Specifications

		MX-166 CNC	
TRAVEL	X AXIS	51.1"	(1,300 mm)
	Y AXIS	27.5"	(700 mm)
	Z AXIS	23.2"	(590 mm)
OPEN HEIGHT *	MINIMUM	26.7"	(680 mm)
	MAXIMUM	50.0"	(1,270 mm)
WORK TABLE	WIDTH	62.9"	(1,600 mm)
	DEPTH	37.4"	(950 mm)
WORK TANK	WIDTH	82.6"	(2,100 mm)
	DEPTH	45.2"	(1,150 mm)
	HEIGHT	24.8"	(630 mm)
	MAXIMUM OIL LEVEL	18.8"	(480 mm)
DIELECTRIC RESERVOIR	CAPACITY	605 gal.	(2,290 liters)
WEIGHT CAPACITY	ELECTRODE ON T SLOT PLATEN	330 lb.	(150 kg.)
	WORK PIECE	11,000 lb.	(5,000 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	180"	(457 cm)
	DEPTH	165"	(419 cm)
	HEIGHT	134"	(340 cm)
	WEIGHT OF MACHINE TOOL	17,710 lb.	(8,050 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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