

Maxicut MX-176 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)

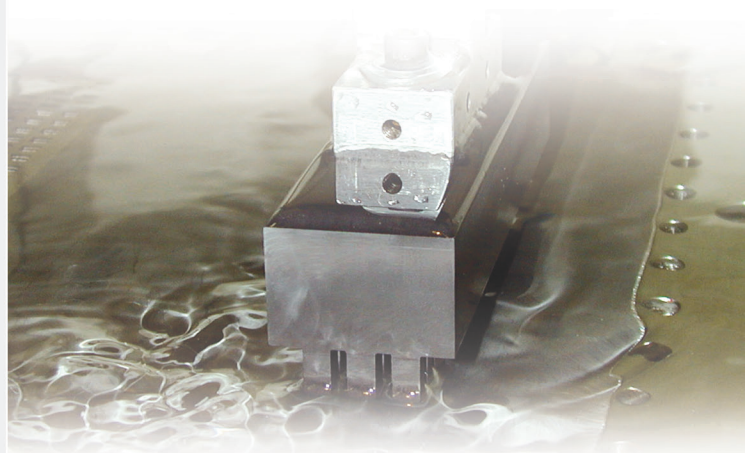
Position the electrode automatically, rotate round electrodes at a constant speed, and program synchronized motion for applications such as threads and spirals

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-176 CNC Sinker EDM Machine Specifications

		MX-176 CNC	
TRAVEL	X AXIS	78.7"	(2,000 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	122.0"	(3,100 mm)
	DEPTH	55.1"	(1,400 mm)
	HEIGHT	24.8"	(630 mm)
	MAXIMUM OIL LEVEL	18.8"	(480 mm)
DIELECTRIC RESERVOIR	CAPACITY	900 gal.	(3,405 liters)
WEIGHT CAPACITY	ELECTRODE ON T SLOT PLATEN	495 lb.	(225 kg.)
	WORK PIECE	14,960 lb.	(6,800 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	208"	(528 cm)
	DEPTH	137"	(348 cm)
	HEIGHT	140"	(356 cm)
	MACHINE TOOL WEIGHT	19,400 lb.	(8,800 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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