

Maxicut MX-140XW CNC Sinker EDM Machine

Features

Programmable Work Tank Level

The work tank height and oil level is set in the part program which provides excellent operator ergonomics for loading and unloading, simplifies robotic handling of electrodes and work pieces, and allows unattended operation of jobs that require different oil levels

12 Orbit Patterns

Reduce the number of electrodes and achieve better surface finishes.

Dynamic Adjustment of Machine Parameters

Machine parameters can be adjusted and optimized during operation then saved for more efficient production

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

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

Rotary and Tilt/Rotary Tables (Optional)

Fully integrated with the Maxicut CNC and allows multi axis positioning for complex work piece orientations

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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ISO 9001 : 2015 Registered



Maxicut MX-140XW CNC Sinker EDM Machine Specifications

		MX-140XW CNC	
TRAVEL	X AXIS	15.7"	(400 mm)
	Y AXIS	11.8"	(300 mm)
	Z AXIS	15.7"	(400 mm)
OPEN HEIGHT *	MINIMUM	10.0"	(255 mm)
	MAXIMUM	25.7"	(655mm)
WORK TABLE	WIDTH	29.1"	(740 mm)
	DEPTH	15.3"	(390 mm)
WORK TANK INTERNAL DIMENSIONS	WIDTH	31.4"	(800 mm)
	DEPTH	23.6"	(600 mm)
	HEIGHT	15.7"	(400 mm)
	MAXIMUM OIL LEVEL	10.2"	(260 mm)
DIELECTRIC RESERVOIR	CAPACITY	120 gal.	(450 liters)
WEIGHT CAPACITY	ELECTRODE ON T SLOT PLATEN	330 lb.	(150 kg.)
	WORK PIECE	1,760 lb.	(800 kg.)
GENERATOR	MAXIMUM PEAK CURRENT	100 A	
	ON AND OFF TIME	1 to 4000	µs
C AXIS **	ELECTRODE WEIGHT	STATIC	88 lb. (40 kg.)
	CAPACITY	DYNAMIC	66 lb. (30 kg.)
	MAXIMUM PEAK CURRENT	STATIC	60 A
		DYNAMIC	60 A
	MAXIMUM ROTATIONAL SPEED	35 RPM	
FLOOR SPACE AND WEIGHT	WIDTH	87"	(220 cm)
	DEPTH	83"	(209 cm)
	HEIGHT	120"	(307 cm)
	MACHINE TOOL WEIGHT	7,700 lb.	(3,500 kg.)
ENVIRONMENTAL	ROOM TEMPERATURE	68 to 77°F	(20 to 25°C)
	RELATIVE HUMIDITY	40% to 55%	
UTILITIES	ELECTRICAL	220VAC ±10%, 60 Hz, 11 KVA	
	AIR	70 PSI @ 1CFM	(5 BAR @ 1.7 CMH)

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

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