

## Maxicut MX-146 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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ISO 9001 : 2015 Registered



## Maxicut MX-146 CNC Sinker EDM Machine Specifications

		MX-146 CNC	
TRAVEL	X AXIS	17.7"	(450 mm)
	Y AXIS	14.1"	(360 mm)
	BACK SLIDE	11.8"	(300 mm)
	Z AXIS	7.2"	(185 mm)
OPEN HEIGHT *	MINIMUM	4.5"	(115 mm)
	MAXIMUM	23.6"	(600 mm)
WORK TABLE	WIDTH	29.5"	(750 mm)
	DEPTH	15.7"	(400 mm)
WORK TANK	WIDTH	47.2"	(1,200 mm)
	DEPTH	27.5"	(700 mm)
	HEIGHT	14.9"	(380 mm)
	MAXIMUM OIL LEVEL	12.9"	(330 mm)
DIELECTRIC RESERVOIR	CAPACITY	165 gal.	(630 liters)
WEIGHT CAPACITY	ELECTRODE ON T SLOT PLATEN	330 lb.	(150 kg.)
	WORK PIECE	2,860 lb.	(1,300 kg.)
GENERATOR	MAXIMUM PEAK CURRENT	100 A	
	ON AND OFF TIME	1 to 4000 $\mu$ s	
C AXIS **	ELECTRODE WEIGHT STATIC	88 lb.	(40 kg.)
	CAPACITY DYNAMIC	66 lb.	(30 kg.)
	MAXIMUM PEAK STATIC CURRENT	100 A	
	DYNAMIC CURRENT	65 A	
	MAXIMUM ROTATIONAL SPEED	35 RPM	
FLOOR SPACE AND WEIGHT	WIDTH	100"	(254 cm)
	DEPTH	74"	(188 cm)
	HEIGHT	98"	(249 cm)
	WEIGHT OF MACHINE TOOL	4,620 lb.	(2,100 kg.)
ENVIRONMENTAL	ROOM TEMPERATURE	68 to 77°F	(20 to 25°C)
	RELATIVE HUMIDITY	40% to 55%	
UTILITIES	ELECTRICAL	220VAC $\pm$ 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. \*\* Optional.

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