



BELMONT
EQUIPMENT & TECHNOLOGIES
 Divisions of Cleary Developments, Inc.



Maxicut S-46 ZNC EDM Drill

The **Maxicut S-46** provides fast and accurate machined holes in any electrically conductive material. The machine's heavy-duty construction permits a wide variety of tool room and production uses. The **Maxicut** enhanced micro-processor and quick response DC Servo motor remove the disintegrated material from the cut rapidly promoting smaller, faster, and deeper drilling possibilities. This model offers larger capacity over the regular High Speed EDM Drills while maintaining ease of operation. The built-in soft start feature assures that clean entrance holes are created by producing small controlled craters at initial spark, thus reducing burrs and scarred work surfaces caused by molten splatter.

The machine has a pendant-mounted control, with a 15" LCD Display, for convenient positioning and data entry during set up. Machine set up is simplified through preprogrammed steps prompting operator input and on-board technology, which automatically makes parameter suggestions for you based on your application.

The Machine Control also features I/O capabilities for use with an external Indexer or rotary table device for automated hole drilling. This works with the Auto-Z control, a first spark-sensing feature, which zeros the Z-axis on first spark, thus, compensating for electrode wear. Programming the depth of cut, retract stroke and machine settings are all accomplished by keypad entry. High accuracy linear scales are used on the stainless steel table for ease of positioning.



Some of the standard features are:

I/O interface	Volt/Amp Meters	3axis DRO
Audible edge finding	Servo adjustment	Inch/Metric
Drill depth programmable	Retract height programmable	
Electrode wear compensation		

Machine specifications

Work Table Size (X/Y)	29.5 x 15.7 inches
Table Travel (X/Y)	16.7 x 14.2 inches
Maximum Work piece Weight	2860 lbs.
Z Axis Ram Movement	D.C. Servo Motor
Z Axis Ram Servo Stroke	12.7 inches
Guide Adjustment	5 inches
Power Backslide	11.8 inches
Maximum Work piece Height	21 – 26* inches

* with guide in fully retracted position

Power Supply Specifications

Peak Machining Current	50 amp
Average Machining Current	30 amp
Peak Current Selection (IP)	1 through 15
On Time Pulse Selection	1 to 99 Microsecond
Off Time Pause Selection	1 to 99 Microsecond
Servo Control	via Manual Turn Knob
Sensitivity Control	via Manual Turn Knob
Analog Volt and Amp Meters	

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