

Belmont SY-3030T CNC High Speed EDM Drills

Features

Compact Footprint

Maximizes floor space with its compact footprint, which allows for close proximity of multiple machine setups

6 Coordinate Systems

Allows up to 6 jobs to be run consecutively in a single setup

3 Step Control of EDM Parameters

Program up to three EDM parameter settings per hole to improve hole quality on difficult entrance and exits

Automatic Electrode Stabilizer

Moves automatically to provide extra support for long electrodes

1000 RPM Programmable Spindle

Rotation speed is adjustable and will reduce cycle time for some applications

Windows Based

With conversational G and M Code programming

Multi-Tasking Abilities

Create and edit one program while the machine is running another

Ethernet Connectivity and USB Support

For programming and transferring of data

Automatic Depth Control

Generate blind holes reliably without operator intervention

Linear Glass Scales with 1 Micron Resolution

Provides true, closed loop, position feedback for precise part positioning accuracy

Auxiliary I/O

Ability to interface with ancillary devices such as rotary tables, indexers, and work piece handling systems

Automatic Electrode Changer

Allows for a large volume of unattended operation

Automatic Guide Changer (Optional)

Allows for a large volume of unattended operation

Integrated Rotary and Tilt/Rotary Tables (optional)

Programmable tilt and rotary systems for complex parts requiring multi axis positioning

Break Through Detection (optional):

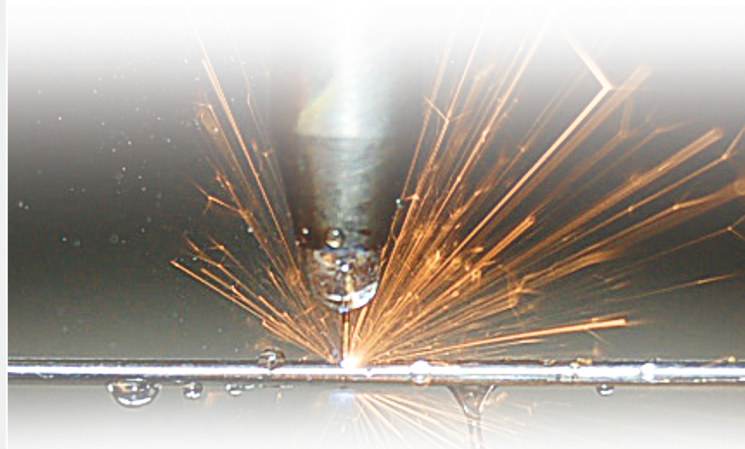
Ensures a complete hole or helps to eliminate back wall strikes

Optical Inspection System (optional)

High resolution video camera can measure hole size, verify position, and locate datum points for part programs

EDM Power Booster (optional)

Increases the maximum average current which will reduce the cycle time when using larger diameter electrodes



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Belmont SY-3030T CNC High Speed EDM Drill Specifications

SY-3030T CNC		
TRAVEL	X AXIS	10.6" (270 mm)
	Y AXIS	11.8" (300 mm)
	W AXIS	20.4" (520 mm)
	Z AXIS	19.6" (500 mm)
OPEN HEIGHT *	MINIMUM	1.5" (40 mm)
	MAXIMUM	22.0" (560 mm)
WORK TABLE	WIDTH	22.0" (560 mm)
	DEPTH	17.5" (445 mm)
INTERNAL WORK TANK DIMENSIONS	WIDTH	24.0" (610 mm)
	DEPTH	22.6" (575 mm)
	HEIGHT ***	13.0" (330 mm)
	MAXIMUM WATER LEVEL ***	11.8" (300 mm)
WEIGHT CAPACITY	ON WORK TABLE	500 lb. (225 kg.)
GENERATOR	MAXIMUM AVERAGE CURRENT	30 A
	ON AND OFF TIME	1 to 99 μs
	CAPACITORS	0 to 1.81 μF
AUTOMATIC ELECTRODE AND GUIDE CHANGER	AEC POSITIONS	12
	AGC POSITIONS	4 **
FLOOR SPACE AND WEIGHT	WIDTH	32" (81 cm)
	DEPTH	79" (201 cm)
	HEIGHT	98" (249 cm)
	WEIGHT	3,520 lb. (1,600 kg.)
ENVIRONMENTAL	ROOM TEMPERATURE	68 to 77°F (20 to 25°C)
	RELATIVE HUMIDITY	40% to 55%
UTILITIES	ELECTRICAL	220VAC ±10%, 3 PHASE, 60 Hz, 3.5 KVA
	AIR	90 PSI @ 1 CFM (6 BAR @ 1.7 CMH)

* Open Height is measured from tip of a standard guide. ** Optional.
Illustrations and specifications herein are not binding in detail.

Belmont Equipment & Technologies reserves the right to modify and make improvements to these specifications without notice.