



BELMONT
EQUIPMENT & TECHNOLOGIES
Divisions of Cleary Developments, Inc.

"Everything for EDM"

Belmont SY-3040 / SY-3040T / SY-3040TG / SY-3040TG-5X CNC High Speed EDM Drills

Features

- **Compact Footprint**
Rigid, compact design to reduce floor space
- **6 Coordinate Systems**
Allows up to 6 jobs to be run consecutively in a single set up
- **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 Changer (optional)**
Allows for a large volume of unattended operation
- **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
- **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



Call 800-356-4811 or visit us on the web at www.belmont4edm.com



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Specifications

		SY-3040 CNC	
TRAVEL	X AXIS	15.7"	(400 mm)
	Y AXIS	11.8"	(300 mm)
	W AXIS	16.9"	(430 mm)
	Z AXIS	15.7"	(400 mm)
OPEN HEIGHT *	MINIMUM	1.5"	(40 mm)
	MAXIMUM	18.5"	(470 mm)
OPEN HEIGHT TO TILT ROTARY TABLE * **	MINIMUM	0.0"	(0 mm)
	MAXIMUM	9.4"	(240 mm)
WORK TABLE	WIDTH	22.0"	(560 mm)
	DEPTH	17.3"	(440 mm)
WORK TANK	WIDTH	34.4"	(875 mm)
	DEPTH	29.5"	(750 mm)
	HEIGHT	5.9"	(150 mm)
WEIGHT CAPACITY	ON WORK TABLE	770 lb.	(350 kg.)
	ON TILT ROTARY TABLE **	77 lb.	(35 kg.)
GENERATOR	MAXIMUM AVERAGE CURRENT	30 A, 60 A **	
	ON AND OFF TIME	1 to 99 μ s	
	CAPACITORS	0 to 1.81 μ F	
AUTOMATIC ELECTRODE AND GUIDE CHANGER	AEC POSITIONS	20 **	
	AGC POSITIONS	12 **	
FLOOR SPACE AND WEIGHT	WIDTH	71"	(181 cm)
	DEPTH	77"	(196 cm)
	HEIGHT	100"	(254 cm)
	WEIGHT	3,630 lb.	(1,650 kg.)
ENVIRONMENTAL	ROOM TEMPERATURE	68 to 77°F	(20 to 25°C)
	RELATIVE HUMIDITY	40% to 55%	
UTILITIES	ELECTRICAL	220VAC \pm 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.

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