

Belmont SY-9070 / SY-9070T / SY-9070TGR CNC High Speed EDM Drill

Features

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

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)

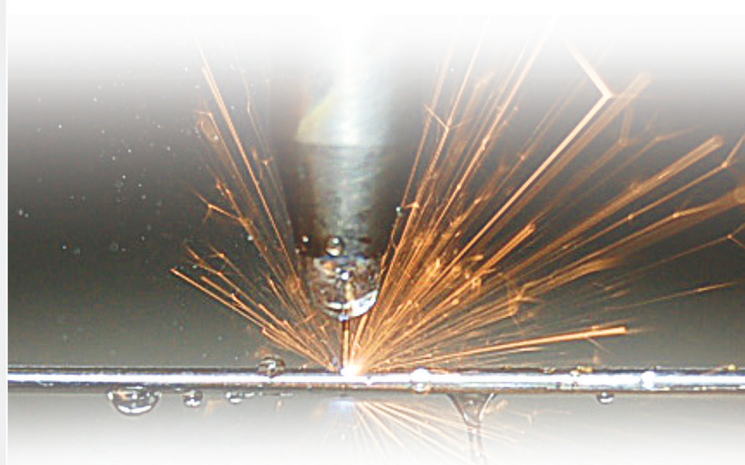
High resolution video camera can measure hole size, verify position, and locate datum points for part programs

EDM Power Booster (optional)

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



Model shown: SY-9070T with Automatic Electrode Changer



Serving All of North America
ISO 9001 : 2015 Registered



Belmont SY-9070 / SY-9070T / SY-9070TGR CNC High Speed EDM Drill Specifications

		SY-9070 CNC	SY-9070T CNC	SY-9070TGR CNC
TRAVEL	X AXIS	27.5" (700 mm)	27.5" (700 mm)	27.5" (700 mm)
	Y AXIS	35.4" (900 mm)	35.4" (900 mm)	35.4" (900 mm)
	W AXIS	19.6" (500 mm)	19.6" (500 mm)	19.6" (500 mm)
	Z AXIS	15.7" (400 mm)	15.7" (400 mm)	15.7" (400 mm)
		23.6" (600 mm) **	23.6" (600 mm) **	23.6" (600 mm) **
OPEN HEIGHT *	MINIMUM	5.7" (145 mm)	5.7" (145 mm)	25.3" (645 mm)
	MAXIMUM	25.3" (645 mm)	25.3" (645 mm)	41.1" (1,045 mm)
WORK TABLE	WIDTH	28.3" (720 mm)	28.3" (720 mm)	28.3" (720 mm)
	DEPTH	35.4" (900 mm)	35.4" (900 mm)	35.4" (900 mm)
WORK PAN	WIDTH	39.3" (1,000 mm)	39.3" (1,000 mm)	39.3" (1,000 mm)
	DEPTH	55.9" (1,420 mm)	55.9" (1,420 mm)	55.9" (1,420 mm)
WEIGHT CAPACITY	ON WORK TABLE	2,200 lb. (1,000 kg.)	2,200 lb. (1,000 kg.)	2,220 lb. (1,000 kg.)
GENERATOR	MAXIMUM AVERAGE CURRENT	30 A, 60 A **	30 A, 60 A **	30 A, 60 A **
	ON AND OFF TIME	1 to 99 μ s	1 to 99 μ s	1 to 99 μ s
	CAPACITORS	0 to 1.81 μ F	0 to 1.81 μ F	0 to 1.81 μ F
AUTOMATIC ELECTRODE AND GUIDE CHANGER	AEC POSITIONS	-	20, 30 **	20, 30 **
	AGC POSITIONS	-	12 **	12
FLOOR SPACE AND WEIGHT	WIDTH	118" (301 cm)	118" (301 cm)	118" (301 cm)
	DEPTH	108" (274 cm)	108" (274 cm)	108" (274 cm)
	HEIGHT	94" (238 cm)	94" (238 cm)	113" (287 cm)
	WEIGHT	6,200 lb. (2,820 kg.)	6,640 lb. (3,020 kg.)	6,910 lb. (3,140 kg.)
ENVIRONMENTAL	ROOM TEMPERATURE	68 to 77°F (20 to 25°C)	68 to 77°F (20 to 25°C)	68 to 77°F (20 to 25°C)
	RELATIVE HUMIDITY	40% to 55%	40% to 55%	40% to 55%
UTILITIES	ELECTRICAL	220VAC \pm 10%, 3 PHASE, 60 Hz, 3.5 KVA	220VAC \pm 10%, 3 PHASE, 60 Hz, 3.5 KVA	220VAC \pm 10%, 3 PHASE, 60 Hz, 3.5 KVA
	AIR	90 PSI @ 1 CFM (6 BAR @ 1.7 CMH)	90 PSI @ 1 CFM (6 BAR @ 1.7 CMH)	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.