

Belmont SY-2535 SY-2535T / SY-2535R 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 (optional)

The 12-position electrode changer allows for a large volume of unattended operation

Automatic Electrode Stabilizer

Moves automatically to provide extra support for long electrodes

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 Table (optional)

Programmable rotary system for complex parts requiring multi axis positioning

Break Through Detection (optional)

Ensures a complete hole or helps to eliminate back wall strikes

EDM Power Booster (optional)

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



Model Shown: SY-2535T



Serving All of North America
ISO 9001 : 2015 Registered



Belmont SY-2535 SY-2535T / SY-2535R CNC High Speed EDM Drill Specifications

		SY-2535 CNC	SY-2535T CNC	SY-2535R CNC
TRAVEL	X AXIS	13.3" (340 mm)	13.3" (340 mm)	13.3" (340 mm)
	Y AXIS	9.4" (240 mm)	9.4" (240 mm)	9.4" (240 mm)
	W AXIS	13.5" (345 mm)	13.5" (345 mm)	19.6" (500 mm)
	Z AXIS	15.7" (400 mm)	15.7" (400 mm)	15.7" (400 mm)
OPEN HEIGHT *	MINIMUM	0.5" (15 mm)	0.5" (15 mm)	6.3" (160 mm)
	MAXIMUM	14.1" (360 mm)	14.1" (360 mm)	26.0" (660 mm)
WORK TABLE	WIDTH	23.6" (600 mm)	23.6" (600 mm)	23.6" (600 mm)
	DEPTH	11.8" (300 mm)	11.8" (300 mm)	11.8" (300 mm)
WORK TANK	WIDTH	27.9" (710 mm)	27.9" (710 mm)	27.9" (710 mm)
	DEPTH	20.4" (520 mm)	20.4" (520 mm)	20.4" (520 mm)
	HEIGHT	5.9" (150 mm)	5.9" (150 mm)	5.9" (150 mm)
WEIGHT CAPACITY	ON WORK TABLE	880 lb. (400 kg.)	880 lb. (400 kg.)	880 lb. (400 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	-	12	12 **
	AGC POSITIONS	-	4 **	4 **
FLOOR SPACE AND WEIGHT	WIDTH	76" (193 cm)	76" (193 cm)	86" (219 cm)
	DEPTH	52" (132 cm)	52" (132 cm)	46" (118 cm)
	HEIGHT	90" (229 cm)	90" (229 cm)	101" (257 cm)
	WEIGHT	1,650 lb. (750 kg.)	1,760 lb. (800 kg.)	1,860 lb. (845 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)

* Maximum Open Height is measured from the work table to the X Axis bridge.

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