

Belmont MX-230 ZNC Sinker EDM Machine

Features

Compact Footprint

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

Programmable Z Axis with Eight Lines of Power Settings

Automatically control depth and generator settings from roughing to finishing cycles

One Button Cycle Start with Auto Fill and Auto Drain

Automatically the electrode will detect the surface, set zero, fill the work tank, start the flush pump, cut to depth, retract, and drain the work tank

Password Protected Settings

The program can be password protected to prevent unauthorized changes

Auxiliary I/O

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

Linear Glass Scales with 1 Micron Resolution

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

Self Contained Filtration System and Reservoir

Compact foot print requires less floor space

External Data Transfer

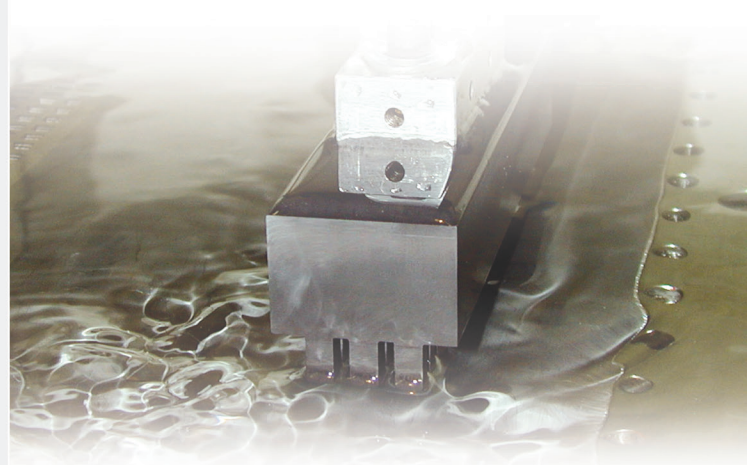
Transfer programs with a USB memory stick or across a network using Ethernet

Adaptive Logic (Optional)

Difficult applications can be completed with no flushing without the risk of arcing

Part Sensing Circuit (Optional)

Detects the absence or presence of the work piece at critical points that minimize costly errors due to an incorrectly loaded work piece



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Belmont MX-230 ZNC Sinker EDM Machine Specifications

		MX-230 ZNC	
TRAVEL	BACK SLIDE	7.8"	(200 mm)
	Z AXIS	5.9"	(150 mm)
OPEN HEIGHT *	MINIMUM	12.0"	(305 mm)
	MAXIMUM	26.0"	(660 mm)
WORK TABLE	WIDTH	27.9"	(710 mm)
	DEPTH	14.9"	(380 mm)
WORK TANK INTERNAL DIMENSIONS	WIDTH	32.0"	(815 mm)
	DEPTH	24.0"	(610 mm)
	HEIGHT	14.0"	(355 mm)
	MAXIMUM OIL LEVEL	12.0"	(305 mm)
DIELECTRIC RESERVOIR	CAPACITY	110 gal.	(420 liters)
WEIGHT CAPACITY	ELECTRODE ON T SLOT PLATEN	100 lb.	(45 kg.)
	WORK PIECE	700 lb.	(320 kg)
GENERATOR	MAXIMUM PEAK CURRENT	60 A	
	ON AND OFF TIME	1 to 4000 μ s	
FLOOR SPACE AND WEIGHT	WIDTH	45"	(115 cm)
	DEPTH	107"	(272 cm)
	HEIGHT	100"	(254 cm)
	MACHINE TOOL WEIGHT	5,300 lb.	(2,410 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, 7.5 KVA	
	AIR	70 PSI @ 1 CFM	(5 BAR @ 1.7 CMH)

* Open Height is measured from the bottom of the magnet on the platen to the table.

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