

Belmont MX-233 ZNC Sinker EDM Machine

Features

Compact Footprint

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

Attached EDM Generator

Additional floor space saving are acquired through attaching the EDM Generator the machine body. This also eliminates cables on the floor.

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

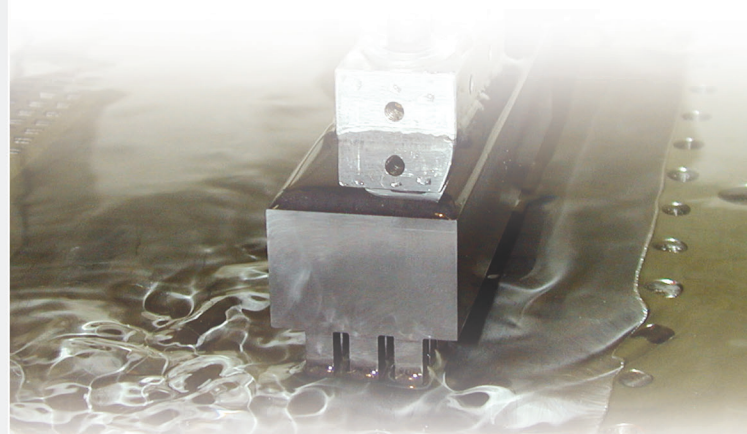
Transfer programs with a USB memory stick or across a network using Ethernet

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-233 ZNC Sinker EDM Machine Specifications

TRAVEL	Z AXIS	15.7" (400 mm)
OPEN HEIGHT *	MINIMUM	9.0" (230 mm)
	MAXIMUM	24.8" (630 mm)
WORK TABLE	WIDTH	28.0" (710 mm)
	DEPTH	14.9" (380 mm)
INTERNAL WORK TANK DIMENSIONS	WIDTH	38.0" (965 mm)
	DEPTH	19.7" (500 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 μs
FLOOR SPACE AND WEIGHT	WIDTH	45" (114 cm)
	DEPTH	92" (233 cm)
	HEIGHT	113" (287 cm)
	MACHINE TOOL WEIGHT	6,000 lb. (2,721 kg.)
ENVIRONMENTAL	ROOM TEMPERATURE	68 to 77°F (20 to 25°C)
	RELATIVE HUMIDITY	40% to 55%
UTILITIES	ELECTRICAL	220VAC \pm10%, 3 PHASE, 60 Hz, 7.5 KVA
	AIR	70 PSI @ 1 CFM (5 BAR @ 1.7 CMH)

* Open Height is measured from the top of the work table to the T-slot platen.

** Work tank height and maximum oil level is measured from the top of the work table.