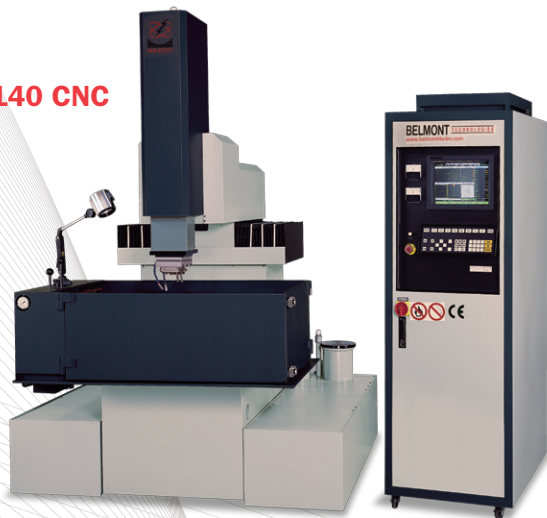
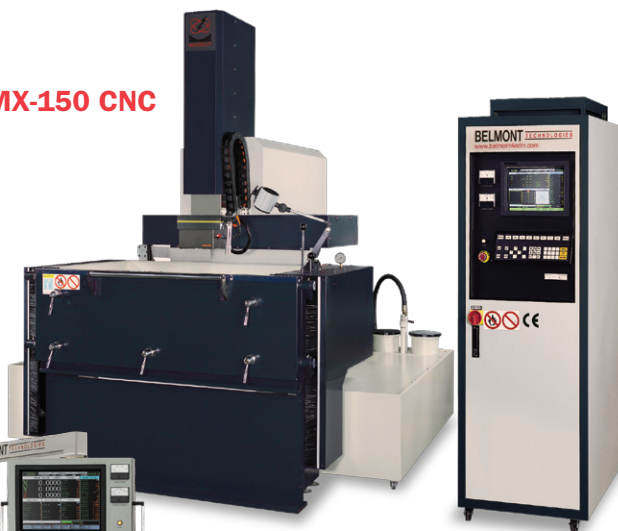
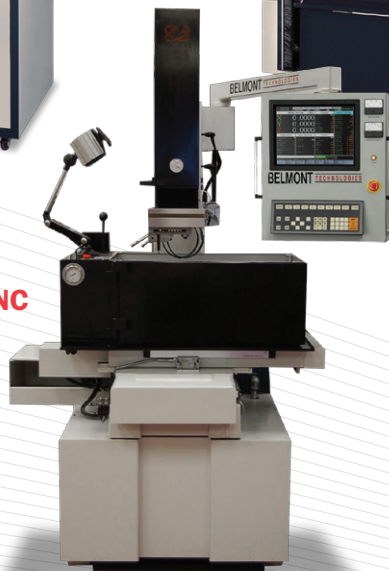
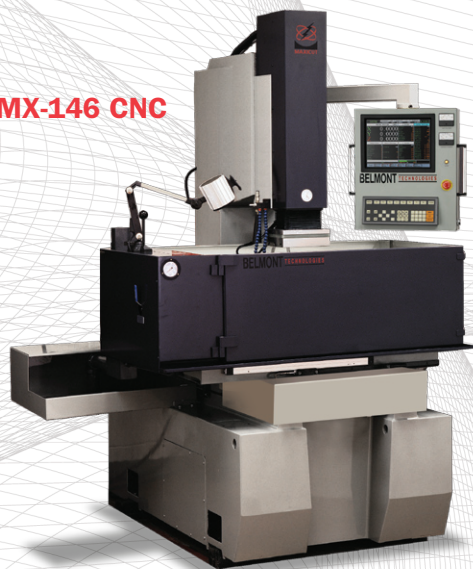




Your Answer for **EDM Sinkers**



BELMONT
EQUIPMENT & TECHNOLOGIES
Divisions of Cleary Developments, Inc.

MX-140 CNC**MX-150 CNC****MX-126 CNC****MX-146 CNC****MX-156 CNC**

Belmont MX Series CNC Sinker EDM Machines

C-FRAME STYLE	MX-126 CNC	MX-136 CNC	MX-146 CNC	MX-156 CNC
EDM HEAD				
Z AXIS TRAVEL	5.9" (150 mm)	7.2" (185 mm)	7.2" (185 mm)	9.8" (250 mm)
Z AXIS DRIVE TYPE	DC SERVO	DC SERVO	DC SERVO	DC SERVO
BACK SLIDE	5.9" (150 mm)	9.0" (230 mm)	11.8" (300 mm)	17.7" (450 mm)
OPEN HEIGHT (MINIMUM TO MAXIMUM)	5.3" to 17.1" (135 to 435 mm)	3.3" to 19.6" (85 to 500 mm)	4.5" to 23.6" (115 to 600 mm)	12.0" to 39.5" (305 to 1,005 mm)
MAXIMUM ELECTRODE WEIGHT	220 lb. (100 kg.)	220 lb. (100 kg.)	330 lb. (150 kg.)	396 lb. (180 kg.)
WORK AREA				
TRAVEL DIMENSIONS (X x Y)	11.0" x 9.0" (280 x 230 mm)	14.9" x 11.0" (380 x 280 mm)	17.7" x 14.1" (450 x 360 mm)	22.0" x 17.7" (560 x 450 mm)
X AND Y AXIS DRIVE TYPE	DC SERVO	DC SERVO	DC SERVO	DC SERVO
TANK DIMENSIONS (W x D x H)	29.5" x 19.6" x 9.4" (750 x 500 x 240 mm)	39.3" x 23.6" x 12.9" (1,000 x 600 x 330 mm)	47.2" x 27.5" x 14.9" (1,200 x 700 x 380 mm)	62.9" x 39.3" x 25.5" (1,600 x 1,000 x 650 mm)
MAXIMUM OIL LEVEL	7.4" (190 mm)	11.0" (280 mm)	12.9" (330 mm)	19.6" (500 mm)
TABLE DIMENSIONS (W x D)	23.6" x 11.8" (600 x 300 mm)	25.5" x 13.7" (650 x 350 mm)	29.5" x 15.7" (750 x 400 mm)	39.3" x 21.6" (1,000 x 550 mm)
MAXIMUM WORK PIECE WEIGHT	1,760 lb. (800 kg.)	2,200 lb. (1,000 kg.)	2,860 lb. (1,300 kg.)	3,520 lb. (1,600 kg.)
DIELECTRIC RESERVOIR CAPACITY	50 gal. (190 liters)	75 gal. (285 liters)	110 gal. (415 liters)	330 gal. (1,250 liters)
POWER SUPPLY				
MAXIMUM PEAK MACHINING CURRENT	60 A	100 A	100 A	100 A

MX-226 ZNC**MX-236 ZNC****MX-246 ZNC****MX-256 ZNC**

Belmont MX Series ZNC Sinker EDM Machines

C-FRAME STYLE	MX-226 ZNC	MX-236 ZNC	MX-246 ZNC	MX-256 ZNC
EDM HEAD				
Z AXIS TRAVEL	5.9" (150 mm)	7.2" (185 mm)	7.2" (185 mm)	9.8" (250 mm)
Z AXIS DRIVE TYPE	DC SERVO	DC SERVO	DC SERVO	DC SERVO
BACK SLIDE	5.9" (150 mm)	9.0" (230 mm)	11.8" (300 mm)	17.7" (450 mm)
OPEN HEIGHT (MINIMUM TO MAXIMUM)	5.3" to 17.1" (135 to 435 mm)	3.3" to 19.6" (85 to 500 mm)	4.5" to 23.6" (115 to 600 mm)	12.0" to 39.5" (305 to 1,005 mm)
MAXIMUM ELECTRODE WEIGHT	220 lb. (100 kg.)	220 lb. (100 kg.)	330 lb. (150 kg.)	396 lb. (180 kg.)
WORK AREA				
TRAVEL DIMENSIONS (X x Y)	11.8" x 9.8" (300 x 250 mm)	15.7" x 11.8" (400 x 300 mm)	18.5" x 14.9" (470 x 380 mm)	22.8" x 18.5" (580 x 470 mm)
X AND Y AXIS DRIVE TYPE	MANUAL	MANUAL	MANUAL	MANUAL
TANK DIMENSIONS (W x D x H)	29.5" x 19.6" x 9.4" (750 x 500 x 240 mm)	39.3" x 23.6" x 12.9" (1,000 x 600 x 330 mm)	47.2" x 27.5" x 14.9" (1,200 x 700 x 380 mm)	62.9" x 39.3" x 25.5" (1,600 x 1,000 x 650 mm)
MAXIMUM OIL LEVEL	7.4" (190 mm)	11.0" (280 mm)	12.9" (330 mm)	19.6" (500 mm)
TABLE DIMENSIONS (W x D)	23.6" x 11.8" (600 x 300 mm)	25.5" x 13.7" (650 x 350 mm)	29.5" x 15.7" (750 x 400 mm)	39.3" x 21.6" (1,000 x 550 mm)
MAXIMUM WORK PIECE WEIGHT	1,760 lb. (800 kg.)	2,200 lb. (1,000 kg.)	2,860 lb. (1,300 kg.)	3,520 lb. (1,600 kg.)
DIELECTRIC RESERVOIR CAPACITY	50 gal. (190 liters)	75 gal. (285 liters)	110 gal. (415 liters)	330 gal. (1,250 liters)
POWER SUPPLY				
MAXIMUM PEAK MACHINING CURRENT	60 A	100 A	100 A	100 A

MX-158 CNC Single Head

MX-196 CNC Single Head

MX-196-D CNC Dual Head


GANTRY STYLE	MX-140 CNC	MX-150 CNC	MX-158 CNC	MX-166 CNC
EDM HEAD				
Z AXIS TRAVEL	15.7" (400 mm)	15.7" (400 mm)	15.7" (400 mm)	23.2" (590 mm)
Z AXIS DRIVE TYPE	DC SERVO	DC SERVO	DC SERVO	DC SERVO
OPEN HEIGHT (MINIMUM TO MAXIMUM)	12.5" to 28.3" (320 to 720 mm)	17.3" to 33.0" (440 to 840 mm)	17.7" to 33.4" (450 to 850 mm)	26.7" to 50.0" (680 to 1,270 mm)
MAXIMUM ELECTRODE WEIGHT	330 lb. (150 kg.)	330 lb. (150 kg.)	330 lb. (150 kg.)	330 lb. (150 kg.)
WORK AREA				
TRAVEL DIMENSIONS (X x Y)	15.7" x 11.8" (400 x 300 mm)	23.6" x 19.6" (600 x 500 mm)	31.4" x 19.6" (800 x 500 mm)	51.1" x 27.5" (1,300 x 700 mm)
X AND Y AXIS DRIVE TYPE	DC SERVO	DC SERVO	DC SERVO	DC SERVO
TANK DIMENSIONS (W x D x H)	47.2" x 29.5" x 16.9" (1,200 x 750 x 430 mm)	55.1" x 39.3" x 22.4" (1,400 x 1,000 x 570 mm)	58.2" x 41.3" x 22.4" (1,480 x 1,050 x 570 mm)	82.6" x 45.2" x 24.8" (2,100 x 1,150 x 630 mm)
MAXIMUM OIL LEVEL	11.0" (280 mm)	16.5" (420 mm)	16.5" (420 mm)	18.8" (480 mm)
TABLE DIMENSIONS (W x D)	29.5" x 15.7" (750 x 400 mm)	31.4" x 25.5" (800 x 650 mm)	35.4" x 31.4" (900 x 800 mm)	62.9" x 37.4" (1,600 x 950 mm)
MAXIMUM WORK PIECE WEIGHT	4,400 lb. (2,000 kg.)	5,500 lb. (2,500 kg.)	8,800 lb. (4,000 kg.)	11,000 lb. (5,000 kg.)
DIELECTRIC RESERVOIR CAPACITY	205 gal. (775 liters)	415 gal. (1,570 liters)	255 gal. (970 liters)	605 gal. (2,290 liters)
POWER SUPPLY				
MAXIMUM PEAK MACHINING CURRENT	100 A	100 A	200 A	200 A

GANTRY STYLE	MX-176 CNC	MX-196 CNC	MX-196-D CNC DUAL HEAD	MX-196-HD CNC DUAL HEAD
EDM HEAD				
Z AXIS TRAVEL	23.2" (590 mm)	23.2" (590 mm)	23.2" (590 mm)	23.2" (590 mm)
Z AXIS DRIVE TYPE	DC SERVO	DC SERVO	DC SERVO	DC SERVO
OPEN HEIGHT (MINIMUM TO MAXIMUM)	26.7" to 50.0" (680 to 1,270 mm)	26.3" to 49.6" (670 to 1,260 mm)	26.3" to 49.6" (670 to 1,260 mm)	26.3" to 49.6" (670 to 1,260 mm)
MAXIMUM ELECTRODE WEIGHT	495 lb. (225 kg.)	495 lb. (225 kg.)	495 lb. (225 kg.)	495 lb. (225 kg.)
WORK AREA				
TRAVEL DIMENSIONS (X x Y)	78.7" x 27.5" (2,000 x 700 mm)	118.1" x 27.5" (3,000 x 700 mm)	88.1" x 27.5" (2,240 x 700 mm)	88.1" x 37.4" (2,240 x 950 mm)
X AND Y AXIS DRIVE TYPE	DC SERVO	DC SERVO	DC SERVO	DC SERVO
TANK DIMENSIONS (W x D x H)	122.0" x 55.1" x 24.8" (3,100 x 1,400 x 630 mm)	157.4" x 57.0" x 24.8" (4,000 x 1,450 x 630 mm)	157.4" x 57.0" x 24.8" (4,000 x 1,450 x 630 mm)	169.2" x 66.9" x 41.3" (4,300 x 1,700 x 1,050 mm)
MAXIMUM OIL LEVEL	18.8" (480 mm)	18.8" (480 mm)	18.8" (480 mm)	35.4" (900 mm)
TABLE DIMENSIONS (W x D)	63.0" x 37.4" (1,600 x 950 mm)	122.0" x 39.3" (3,100 x 1,000 mm)	122.0" x 39.3" (3,100 x 1,000 mm)	122.0" x 39.3" (3,100 x 1,000 mm)
MAXIMUM WORK PIECE WEIGHT	14,960 lb. (6,800 kg.)	29,920 lb. (13,600 kg.)	29,920 lb. (13,600 kg.)	41,800 lb. (19,000 kg.)
DIELECTRIC RESERVOIR CAPACITY	900 gal. (3,405 liters)	1,115 gal. (4,220 liters)	1,115 gal. (4,220 liters)	1,750 gal. (6,625 liters)
POWER SUPPLY				
MAXIMUM PEAK MACHINING CURRENT	200 A	200 A	200 A	200 A

Note: Gantry Style can be applied to the ZNC Control if required.

Custom Builds ... Belmont Can Make Customized and Turn-Key Machines According to Your Needs

Belmont brings years of practical EDM experience to our customers. We pride ourselves in providing cost effective, innovative solutions to keep you competitive in the global market place.

Custom Build Development

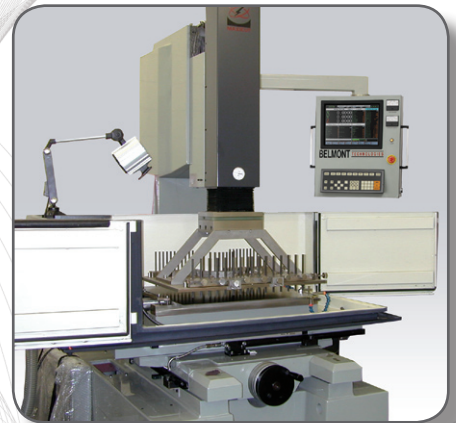
Defined as: a method of construction, built to order according to a customer's specifications.

- Our staff of EDM professionals meet with you to obtain a thorough understanding of your application goals, objectives and budgetary constraints.
- The right machine configuration is selected for your job based on this understanding.
- An engineered concept drawing is developed to ensure feasibility.

Turn-Key Development

Defined as: a method of construction, installation, etc. whereby the contractor, installer, etc. assumes total responsibility from design through completion of the project.

- The application is analyzed to develop an efficient process flow.
- The part is analyzed to develop efficient holding devices.
- Fixtures are designed and built for the part and/or machine.
- The cutting technology and CNC programs are developed to optimize the EDM process.
- A complete integration of the system is verified to ensure part production requirements before the machine ships from our floor.
- The system is delivered to your facility and installed by our team of qualified technicians.
- Our technicians train your operators on the machine and control so they have a complete understanding of the machining process.
- Your system's operation is verified to meet or exceed your expectations.
- Belmont's full commitment to after-sale support to ensure continued productivity of the system.



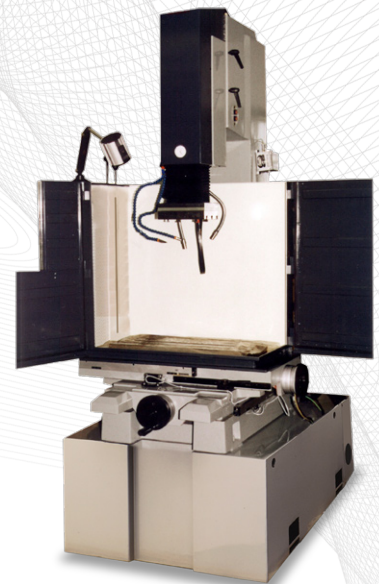
Special MX-246 EDM Sinker



MX-246 Custom



MX-P20d Single Axis



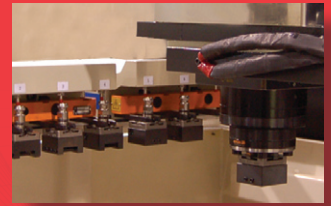
MX-236 Tall Boy

Sinker EDM Accessories



Rotary Tables

- Wide variety of work holding capabilities
- Horizontal or vertical tables available
- Models available from several manufacturers depending on application



C Axis & Tool Changer

- Can be integrated in select machine models
- Available from Erowa, System 3R, and Hirshmann

Sinker EDM Supplies

- Filter Cartridges
- Dielectric Fluids from- Commonwealth, Rustlick, and Iono-Plus
- Skin Protectants
- Coolant Hole Drills
- Diamond Coated Carbide Cutting Tools
- Adhesives
- Damming Compound
- Torit Dust & Mist Collectors
- Vac-U-Guard
- Vac-U-Mill

Graphite

EDM Graphite available in:

- Poco and Ameri-graph
- Rounds, Plates, Tubes, Tapping Electrodes, Squares, Grinding Wheels & Pre-Ground Blanks



Fabricated Electrodes to Print:

- High Speed CNC Milling
- CNC Form Grinding
- CNC Turning
- Surface Grinding
- Centerless Grinding

***Your Complete Source For
EDM Consumables***

Oil and Water Don't Mix



Would you like to eliminate the dielectric oil cleaning stage?

Belmont's stainless steel design is unique to the industry and allows you to use water instead of oil. Call us today to discuss your application.

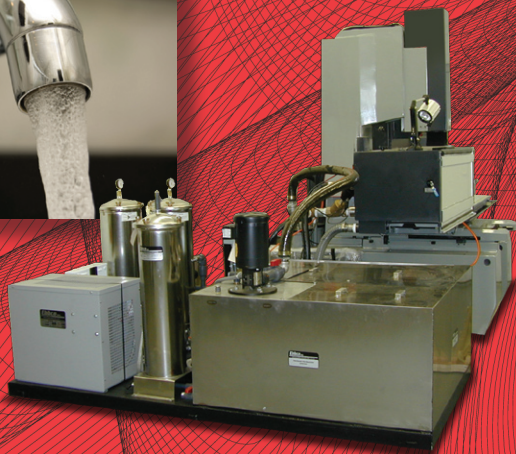
**Are you concerned about oil contamination on your parts in the EDM Sinker Process?
TRY OUR WATER EDM SINKER.**

Belmont's Water Sinker EDM technology is unique to the industry. Features include:

- Stainless steel work tank, table, and plumbing
- Elimination of workpiece cleaning
- Elimination of skin irritation due to oil dielectric fluid
- Elimination of oil costs from purchase to waste removal
- Environmentally friendly

What does a water machine look like? Any sinker machine in this brochure can be custom built as a water sinker!

In most cases a sinker machine designed for water can be converted to oil for future applications.



Note: Water dielectric machines are normally application specific.

Advancing EDM ... a Family Tradition

Mr. Ping Ianitelli, a pioneer of EDM in the United States, founded Belmont in 1960 to distribute "Gentrobe-10", one of the first premium grades of graphite designed specifically for use in EDM. Today, his sons carry on the tradition of Belmont's development and distribution of EDM equipment and supplies that has set the industry standard.

We are continually one of the largest Poco graphite distributors worldwide: The premium quality graphite for sinker EDM.

Belmont is the world's largest distributor of OKI EDM Wire Products: The premium quality wire for wire EDM machines.

Belmont helped introduce high speed EDM drilling as an accepted third method of EDM.

Today we are second to none in our application and engineering background to support this market.

One Source ... Multiple Options

Belmont is the source for all your EDM requirements, from material selection to machine tool solutions. Our customer service representatives have extensive industry experience, a wide range of tools at their disposal, on-going training and the highest quality products available. This performance-driven approach offers:

EDM application consulting

The right equipment and materials to increase productivity

Expert advice to help you operate your EDMs more effectively

Automation to help increase throughput

Turn-Key system development

Support before and after the sale

Products researched in our facility before going to market

If you don't see it, just ask. We'll build it for you.



BELMONT

EQUIPMENT & TECHNOLOGIES

Divisions of Cleary Developments, Inc.

"Everything for EDM"

Headquarters/MI

P.O. Box 71013
32055 Edward Avenue
Madison Heights, MI 48071
Phone (800) 356-4811
Fax (800) 486-4336
Fax (800) 441-4336

New England

665 Prospect Street Suite 8
Chicopee, MA 01020
Phone (866) 468-9611
Fax (413) 536-5683

Central/IL

840 Eagle Drive
Bensenville, IL 60106
Phone (877) 860-9602
Fax (630) 860-9604

Southeastern

797 Locust Street
Henderson, NC 28792
Phone (800) 799-0786
Fax (828) 654-9612

Mountain/Pacific

1011 Segovia Circle
Placentia, CA 92870
Phone (800) 394-4993
Fax (800) 441-4336

www.belmont4edm.com | ISO 9001:2015 Registered