

# GROMAX

***EDM***

***CNC P Series  
ZNC Series***



[www.gromaxonline.com](http://www.gromaxonline.com)

# P Series CNC EDM

## CNC P55 + E90



### Features:

Anti-arc FUZZY LOGIC control increases burning speed and reduces arcing. With high resolution linear glass scales and a 15-inch color LCD monitor. Enough memory to store up to 1000 of erosion tables and all of your favorite programs. Built-in communication ports for external program and data transfer. State-of-the-art PCBs provide robust reliability and easy maintenance. Features include Contour (3-axis) EDMing, Helical EDMing, Lateral EDMing, Orbital EDMing and Repetitive EDMing.

### Main Specifications :

Work Tank Size (L x W x H).....	46" x 27" x 13.75"
Work Table Size (L x W).....	32" x 18"
Travel (X/Y).....	19.6" x 15.7"
Quill Travel.....	13.75"
Max. Distance from Table Top to Electrode Platen.....	27"
Max. electrode weight .....	500 lb.
Max workpiece weight .....	1,350 lb.
Dielectric Reservoir Capacity.....	137 Gallons
Generator Machining Current .....	90 Amps.
Power requirements .....	Use 480/220VAC, 3 Phase, 60HZ
Total Weight.....	1,950 lb.

### Standard Accessories :

Clamping Kit. Magnet w/Coolant Nozzle. Leveling Bolts & Pads and four extra filters

Optional Accessories : (not included in the above price.)

4 tool changer .....	Call for Pricing
16 tool changer .....	Call for Pricing
Quill mounted "C" axis .....	Call for Pricing
Ke-4 OIL COOLER .....	Call for Pricing

\*\*\* INSTALLATION AND TRAINING ARE AVAILABLE BUT NOT INCLUDED IN THIS PRICE

# P Series CNC EDM

## Column Type CNC P64 + E90



### Features:

Anti-arc FUZZY LOGIC control increases burning speed and reduces arcing. With high resolution linear glass scales and a 15-inch color LCD monitor. Enough memory to store up to 1000 of erosion tables and all of your favorite programs. Built-in communication ports for external program and data transfer. State-of-the-art PCBs provide robust reliability and easy maintenance. Features include Contour (3-axis) EDMing, Helical EDMing, Lateral EDMing, Orbital EDMing and Repetitive EDMing.

### Main Specifications :

Work Tank Size (L x W x H).....	59" x 37" x 20"
Work Table Size (L x W).....	40" x 24"
Column Travel (X/Y) .....	24" x 18"
Quill Travel.....	13.75"
Max. Distance from Table Top to Electrode Platen.....	30"
Max. electrode weight .....	500 lb.
Max workpiece weight .....	3,000 lb.
Dielectric Reservoir Capacity.....	254 Gallons
Generator Machining Current .....	90 Amps.
Power requirements .....	Use 480/220VAC, 3 Phase, 60HZ
Total Weight.....	3,900 lb.
Standard Accessories :	
Clamping Kit. Magnet w/Coolant Nozzle. Leveling Bolts & Pads and four extra filters	
Optional Accessories : (not included in the above price.)	
4 tool changer .....	Call for Pricing
16 tool changer .....	Call for Pricing
Quill mounted "C" axis .....	Call for Pricing
Ke-4 OIL COOLER .....	Call for Pricing

# P Series CNC EDM

## Column Type CNC P147 + E120



### Features:

Anti-arc FUZZY LOGIC control increases burning speed and reduces arcing. With high resolution linear glass scales and a 15-inch color LCD monitor. Enough memory to store up to 1000 of erosion tables and all of your favorite programs. Built-in communication ports for external program and data transfer. State-of-the-art PCBs provide robust reliability and easy maintenance. Features include Contour (3-axis) EDMing, Helical EDMing, Lateral EDMing, Orbital EDMing and Repetitive EDMing.

### Main Specifications :

Work Tank Size (L x W x H).....	88" x 53" x 25"
Work Table Size (L x W).....	74" x 39"
Travel (X/Y).....	55" x 28"
Quill Travel.....	20"
Max. Distance from Table Top to Electrode Platen.....	42"
Max. electrode weight .....	500 lb.
Max workpiece weight .....	13,500 lb.
Dielectric Reservoir Capacity.....	540 Gallons
Generator Machining Current .....	120 Amps.
Power requirements .....	Use 480/220VAC, 3 Phase, 60HZ
Total Weight.....	13,200 lb.
Standard Accessories :	
Clamping Kit. Magnet w/Coolant Nozzle. Leveling Bolts & Pads and four extra filters	
Optional Accessories : (not included in the above price.)	
4 tool changer .....	Call for Pricing
16 tool changer .....	Call for Pricing
Quill mounted "C" axis .....	Call for Pricing
Ke-4 OIL COOLER .....	Call for Pricing

# P Series CNC EDM

## Column Type CNC P188 + E120



### Features:

Anti-arc FUZZY LOGIC control increases burning speed and reduces arcing. With high resolution linear glass scales and a 15-inch color LCD monitor. Enough memory to store up to 1000 of erosion tables and all of your favorite programs. Built-in communication ports for external program and data transfer. State-of-the-art PCBs provide robust reliability and easy maintenance. Features include Contour (3-axis) EDMing, Helical EDMing, Lateral EDMing, Orbital EDMing and Repetitive EDMing.

### Main Specifications :

Work Tank Size (L x W x H).....	95" x 53" x 28"
Work Table Size (L x W).....	73" x 39"
Column Travel (X/Y) .....	71" x 31"
Quill Travel.....	24"
Max. Distance from Table Top to Electrode Platen.....	42"
Max. electrode weight .....	800 lb.
Max workpiece weight .....	15,400 lb.
Dielectric Reservoir Capacity.....	717 Gallons
Generator Machining Current .....	120 Amps.
Power requirements .....	Use 480/220VAC, 3 Phase, 60HZ
Total Weight.....	19,800 lb.
Standard Accessories :	
Clamping Kit. Magnet w/Coolant Nozzle. Leveling Bolts & Pads and four extra filters	
Optional Accessories : (not included in the above price.)	
4 tool changer .....	Call for Pricing
16 tool changer .....	Call for Pricing
Quill mounted "C" axis .....	Call for Pricing
Ke-4 OIL COOLER .....	Call for Pricing



# P Series CNC EDM

## Column Type CNC P301 + E120



**S3010-2H Shown**

### Features:

Anti-arc FUZZY LOGIC control increases burning speed and reduces arcing. User-friendly Conversational Programming with high resolution linear glass scales and a 15-inch color LCD monitor. Enough memory to store up to 1000 erosion tables and all of your favorite programs. Built-in communication ports for external program and data transfer. State-of-the-art PCBs provide robust reliability and easy maintenance. Features include Contour (3-axis) EDMing, Helical EDMing, Lateral EDMing Orbital EDMing, and Repetitive EDMing.

### Main Specifications :

Work Tank Size (L x W x H).....	161.5" x 66.9" x 31.5"
Work Table Size (L x W).....	122" x 43"
Headstock Travel (X/Y).....	100.5" x 39.5"
Quill Travel.....	23.62"
(optional extra) 39.25"	
Max. Distance from Table Top to Electrode Platen.....	53.1"
Max. electrode weight .....	1,100 lb.
Max workpiece weight .....	26,500 lb.
Outside dimensions .....	236.25" X 181" X 141.5"
Dielectric Reservoir Capacity.....	6,552 liters
Generator Machining Current .....	120 / 180 Amps.
Power requirements .....	Use 460/230VAC, 3 Phase, 60HZ
Total Weight.....	36,000 lb.

### Standard Accessories :

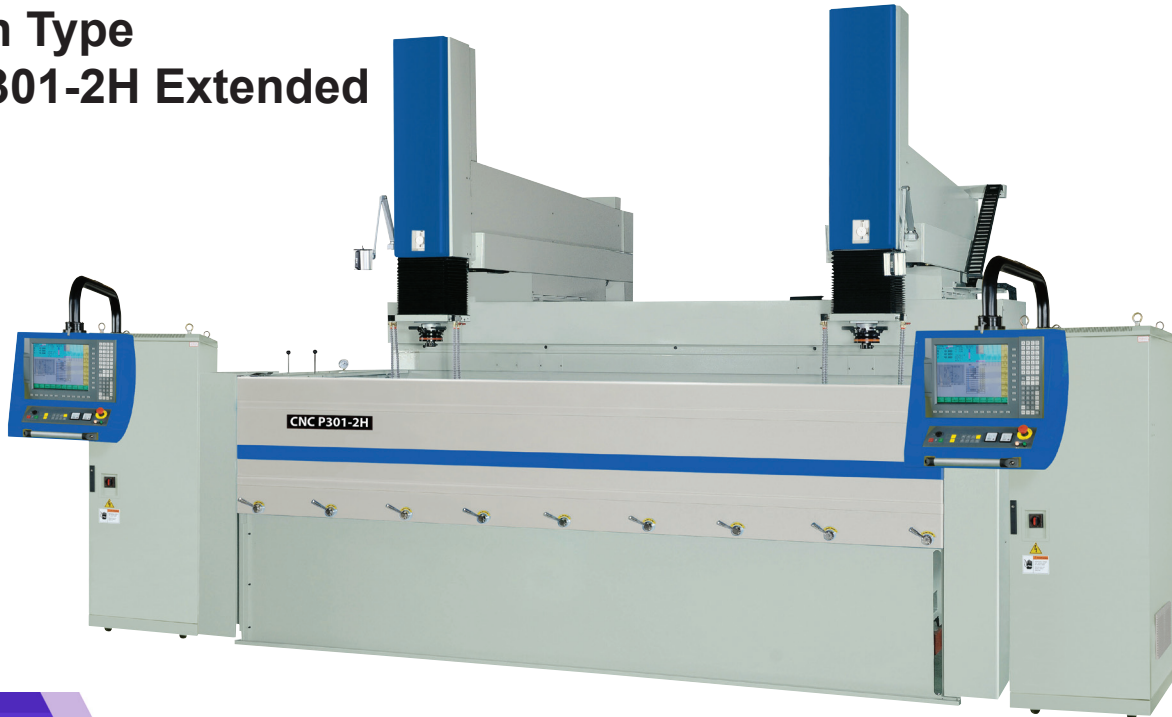
Clamping Kit. Magnet w/Coolant Nozzle. Leveling Bolts & Pads and four extra filters

### Optional Accessories : (not included in the above price.)

4 tool changer .....	Call for Pricing
16 tool changer .....	Call for Pricing
Quill mounted "C" axis .....	Call for Pricing
Ke-4 OIL COOLER .....	Call for Pricing
39" quill .....	Call for Pricing

# P Series CNC EDM

## Column Type CNC P301-2H Extended



### Features:

Anti-arc FUZZY LOGIC control increases burning speed and reduces arcing. User-friendly Conversational Programming with high resolution linear glass scales and a 15-inch color LCD monitor. Enough memory to store up to 1000 erosion tables and all of your favorite programs. Built-in communication ports for external program and data transfer. State-of-the-art PCBs provide robust reliability and easy maintenance. Features include Contour (3-axis) EDMing, Helical EDMing, Lateral EDMing Orbital EDMing, and Repetitive EDMing.

### Main Specifications :

Work Tank Size (L x W x H).....	161.5" x 66.9" x 31.5"
Work Table Size (L x W).....	122" x 43"
Headstock Travel (X/Y).....	100.5" x 39.5"
Quill Travel (2 X) .....	39"
Max. Distance from Table Top to Electrode Platen.....	53.1"
Max. electrode weight (each) .....	1,100 lb.
Max workpiece weight .....	26,500 lb.
Outside dimensions .....	236.25" X 181" X 141.5"
Dielectric Reservoir Capacity.....	6,552 liters
Generator Machining Current .....	120 Amps. (X 2)
Power requirements .....	Use 460/230VAC, 3 Phase, 60HZ
Total Weight.....	40,000 lb.

### Standard Accessories :

Clamping Kit. Magnet w/Coolant Nozzle. Leveling Bolts & Pads and One spare case of filters

### Optional Accessories : (not included in the above price.)

4 tool changer .....	Call for Pricing
Quill mounted "C" axis .....	Call for Pricing
TOTAL PRICE WITH ALL ABOVE LISTED OPTIONS .....	Call for Pricing

# ZNC Series EDM



**ZNC32E60**

**ZNC32E60** is a traditional type of sinker edm machines. The X and Y axis are operating manually with the hand wheel around the work table. The oil tank of this model is designed underneath of the machine body, which allows it to fit into facilities with limited floor space and working areas. The work table is 650 x 350mm, suitable for working on small workpiece and mold, such as: electrical components, mobile phones housing and etc.



**ZNC43E60**

**ZNC43E60** is a traditional sinker type EDM machine. The X and Y axis are operating manually with the hand wheels around the work table. The oil tank of this model is built underneath of the machine body, which allows it to fit into facilities with limited floor space and working areas. The work table is 650 x 350mm, suitable for working on small to medium sized workpieces and molds.



# ZNC Series EDM



**ZNC55E90**

**ZNC55E90** is a traditional sinker type EDM machine. The X and Y axis are operating manually with the hand wheels around the work table. The machine body is made with meehanite castings. That can support workloads up to 1,350 kg. Its work table of 800 x 450mm, is suitable for most small to medium mold applications.



**ZNC75E120**

**ZNC75E120** is a traditional sinker type EDM machine. The X and Y axis are operated with an electronic hand wheel. The machine body is made with meehanite castings. With its weight bearing capabilities of 2,000 KG and its larger work table (1100mm x 600mm) it is ideally suited for production in the automotive industry and other tools and dies.

# ZNC Series EDM

## Specifications

	ZNC32E60	ZNC43E90	ZNC55E90	ZNC75E120
Work Tank (LxWxH) inch	34 x 21 x 14	39 x 22 x 15	46 x 27 x 17	68 x 39 x 22
Work Table (LxW) inch	26 x 14	26 x 14	32 x 18	43 x 24
Table travel (X) inch	12	16	20	28
Table travel (Y) inch	10	12	16	22
Servo travel (Z) inch	6	7	8	10
Servo Travel (Z2) (inch)	8	10	12	12
Distance Between Spindle to Work Table (inch)	6-20	6-23	9-29	9-29
Max. Electrode Weight (lb)	264	264	485	485
Max. Workpiece Weight (lb)	1212	1212	2976	2976
Dimensions (inch)	106	122	157	157
	91	98	104	104
	83	93	91	91
Weight (lb)	2536	2646	4299	4299

## Dielectric

Capacity (L)	350	380	520	520
Pump Power (HP)				
Weight (lb)	Built-in	Built-in	441	441
Diemensions (inch)	Build-in	Build-in	47x33x21	47x33x21

## Generator

Power Supply Unit	Unit	60A	90A	120A
Max. Power Unit	KVA	4.5	8	12
Max. Machining Speed	mm3/min	430	700	900
Min. Electrode Wear Ratio	%	0.1		
Best Surface Roughness	µm/Ra	0.2		
Outside Dimensions	inch	32 x 24 x 67		
Weight	lb	705	772	838

## Standard Accessories

15" LCD Screen  
Auto Fire Extinguisher  
Halogen Work Lamp  
Clamping Plate  
Leveling Pad

## Flushing Nozzle

Patented Electrode Holder  
Paper Filter  
Tool Box  
Remote Controller  
Signal Tower Light

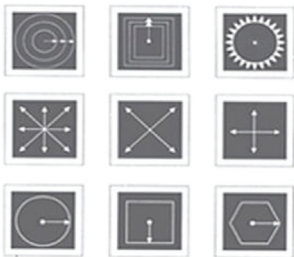
## Optional Accessories

Orbit Cut System (Online Connection)  
Measuring Probe . Dielectric Cooler  
Permanent Magnetic Table  
EZ-SPARK for Super Hard Workpiece  
High Speed Turbo Machining Circuit . Drill Chuck

# ZNC Series EDM

## Feature:

- \* Industrial grade IPC CPU processor, 32 bit, CF Card, 15" LCD screen, standard linear scale with 1 um resolution.
- \* Monitoring and fast suppression of abnormal arc-wave shape to ensure machining safety and mold quality.
- \* Nine sets of home points setup, 100 sets of machining coordinates setup, memory of 100 sets of job files and 200 sets of C codes (100 of which are customer defined) allowing for custom applications and specialized machining parameters.
- \* New generation of FUZZY intelligent editing functions provide automatic editing of machining parameters.
- \* Available to online editing of orbit-cut electrode holder (Orbit Cut System optional).
- \* The turbo spark machining circuit enables machining for tungsten steel and titanium alloy.



Option: Can be on-link with ORBIT-CUT system. Orbiting function may work with Z axis 10 steps auto machining.

Orbiting modes.(XYZ, XY).



Conversational programming for easy learning and operation. Clear concise and well organized display.



X. Y axes  
High precision  
ballscrews.



Remote control  
box: STANDARD

## Sample



# ***GROMAX EDM***

## ***CNC P Series***

## ***ZNC Series***

Dealer:

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