



RATNAPARKHI
ELECTRONICS IND. PVT. LTD.
SINCE 1989

ALTRA ZNC



We Support



MAKE IN INDIA

ALTRA ZNC

Features

1) High speed Jump

- High speed jump of 3.3 mtr/min maintains clean gap. This ensures highly efficient and reliable EDM machining.

2) Adaptive multi stage anti arc

- Spark discharge is continuously monitored and instant pulse to pulse corrective actions are taken
- Jump cycle and gap control are adjusted suitable in case of difficult spark condition
- Unhealthy spark condition is indicated on front plate by glowing red anti arc LED. Corrective actions are taken automatically till AA red LED glows

3) SAFE Mode

- Safe mode for deep cavities where flushing conditions are difficult to maintain

4) Fuzzy Logic

Fuzzy logic system will auto select best machining parameters in 4 step programming.

5) Z axis reference after power on to ensure correct z-axis co-ordinates

6) Ball screw for X,Y,Z and LM guideways for Z axis

7) Integral design with compact footprint

8) Auto cycle operation based on:

Lift distance, Machining depth, Arc cycle for better carbon removal.

9) LW:- Settable low wear factor for controlling electrode wear.

AZ 01: Pulse Generator

- Practically unlimited no. of programs and steps per program (depends on memory size)
- EDM technology at a glance on screen
- 3 axes digital positioning display
- Day and night / Sleep function
- Reverse Servo machining
- Higher Material Removal Rate due to equi-energy pulse discharge
- Reduced electrode wear with high MRR
- Selectable High-speed jump function
- SAFE machining circuit inbuilt
- Adaptive anti-arc and flushing control
- Selectable Anti-arc trip
- Programmable Multi-cavity operation
- Industrial computer for human-machine interface
- Facility for PCD and Array program generation
- Safety Interlocks
- ABS/ INC position display
- Z-axis AC Servo with high speed jump
- Pendent Unit

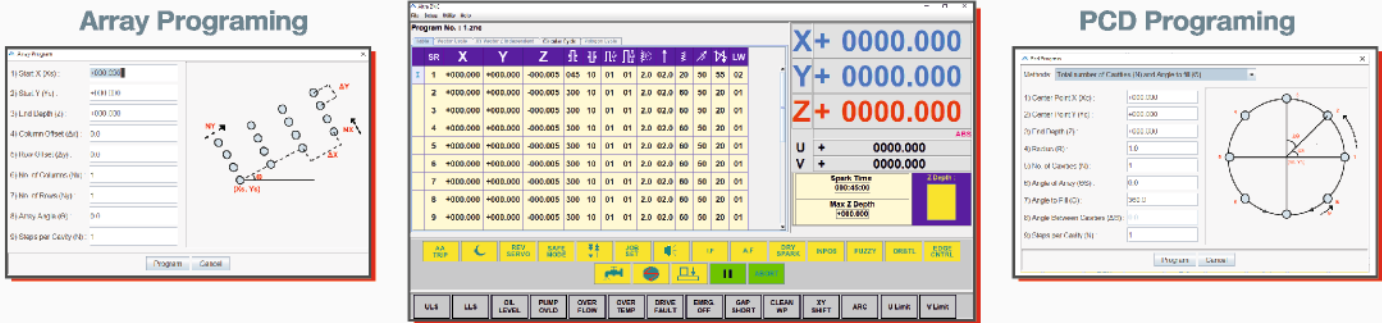


Hand held pendent unit

Safety & Protection :

- Servo Fault.
- z / x,y,z axis over travel limit, over temperature, low level, over flow, pump overload.

Self Guided operation panel



Technical Specification:

[A] Machine Tool		[B] Pulse Generator	
Work tank dimensions	850 x 530 x 300 mm	Max Working Current	15+5, 30+5, 45+5
Table size	550 x 300 mm	Pulse ON-OFF Setting	Ton (1 to 999), T(1 to 12)
T slot	3 x 15mm	Max MRR * Copper to Steel	235 mm ³ /min
X axis travel	300 mm	* Graphite to Steel	240 mm ³ /min
Y axis travel	200 mm	* Steel to Steel	150 mm ³ /min
Z axis travel	250 mm	Min Electrode Wear	0.1 %
Z axis	AC Servo	Surface Finish	0.8-1.3
Max job height	250 mm	Connected Load	3.5 kVa
Max electrode weight	60 kg	Power Supply	3 phase 415 VAC
Max job weight	300 kg		
Pump motor rating	0.5 Hp 3 phase		
Machine X & Y axis	Ball screw		
Machine Z axis	Ball screw with LM guideways		
Controller Z axis	AC Servo		
Overall machine weight	1000 kg		
Maximum table quill distance (WA)	350 mm		
Minimum table quill distance (WA)	110 mm		
Machine foot print	1500 x 1500 x 2300 mm		

[C] Dielectric Unit	
Integral with M/c	
Dielectric Capacity	300 ltr.
Filter Element	10 μ
No of Filters	2 no
Dielectric Tank width	1100 mm
Dielectric Tank depth	900 mm
Height	330 m
Pump Motor	0.5 hp 3 phase

Important Note : In keeping with our constant endeavour to meet market needs, we reserve the right to alter or change the specifications mentioned, without prior notice

www.ratnaparkhiedm.com



RATNAPARKHI
ELECTRONICS IND. PVT. LTD.
SINCE 1989

E-52, MIDC, Satpur,
Nashik, Maharashtra
India - 422007

Contact :
Tel. : +91-253-2351125
Fax : +91-253-2351025

E- Mail :
sales@ratnaparkhiedm.com

Visit us



Our Sales & Services Network : Delhi, Faridabad, Ludhiana, Bengaluru, Coimbatore, Chennai, Kolkata, Ahmedabad, Hyderabad, Mumbai, Pune.