

Contact us



RATNAPARKHI
ELECTRONICS IND. PVT. LTD.
SINCE 1989

Eco Altra ZNC

**ORBITAL
ATTACHMENT
OPTIONAL**



Trial Jobs



Button Die



Fastner Die



Biscuit Die

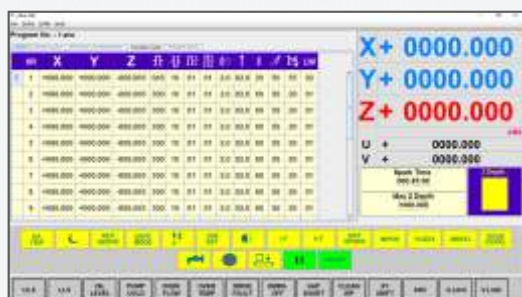


Letter Die

Features:

- 1) High speed Jump**
High speed jump of 2 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 Z.**
- 7) Integral design with compact footprint.**
- 8) Auto cycle operation based on:**
Lift distance, Machining depth, Auto cycle for better carbon removal.
- 9) LW:- Settable low wear factor for controlling electrode wear.**

Self Guided operation panel



Array Programing



PCD Programing



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
- Select-able 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

Safety & Protection :

- Servo Fault.
- Z axis over travel limit, over temperature, low level, over flow, pump overload.

Work tank dimensions	800 x 530 x 300 mm
Table size	550 x 300 mm
T slot	3 x 10mm
X axis travel	280 mm
Y axis travel	200 mm
Z axis travel	250 mm
Z axis	AC Servo
Max job height	210 mm
Max electrode weight	50 kg
Max job weight	170 kg
Pump motor rating	0.5 Hp 3 phase
Machine X & Y axis	Lead screw
Machine Z axis	Ball screw
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	1650 x 2175 x 2150 mm

Pulse Generator	
Max Working Current	30+5
Pulse ON-OFF Setting	Ton (1 to 999), T(1 to 12)
Max MRR * Copper to Steel *	235 m m3/min
Graphite to Steel * Steel to Steel	240 m m3/min
	150 mm3/min
Min Electrode Wear	0.1 %
Surface Finish	0.8-1.3
Connected Load	3.5 kVa
Power Supply	3 phase 415 VAC

Dielectric Unit	
Integral with Machine	
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 mm
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



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SINCE 1989

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

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

E- Mail :
sales@ratnaparkhiedm.com
vgp@ratnaparkhiedm.com

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

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