

Wirecut technology made easy

EZEECUT PLUS

CNC Wirecut EDM



EZEECUT PLUS

CNC Wirecut EDM

Wirecut Technology Made Easy

Features

- Lowest running costs
- Closed loop X, Y with linear scales
- Reciprocating Brass / Molybdenum wire
- Max. cutting speed
 - 50 mm²/min. on Steel (HCHCr / WPS)
 - 120 mm²/min. on Aluminium
- Surface finish : 2.5~3.0 μ Ra
- Taper : $\pm 3^{\circ}$ /100 mm
- Inbuilt 2 axes DRO
- Coolant oil is used as dielectric



CNC Pulse Generator EZ-01

- Mirror Image of programme across X, Y axis
- 15" VGA colour CRT display
- Display of cutting rate
- Display of machining time
- 2D graphic simulation of wire path
- Display of operator help and error messages
- Simultaneous control of X, Y, u, v axis
- MOSFET for high-speed switching and better finish
- Rotation of programme in steps of $\pm 90^{\circ}$
- Single block execution
- Resumption of cutting from 'power fail' position
- Automatic center find, edge find operation and pause at wire break
- Back to origin through shortest path
- Gap short recovery
- Data input from 1.44 MB floppy disc
- Multicavity facility

RRAPT

Simple-to-use software

- DXF file interface
- Built-in utility packages for gears and curves
- Graphic programming tool
- Built-in functions : move, rotate, copy, mirror, scale, reverse mirror
- Multicavity programme generation
- Tool path reversal



Machine Tool

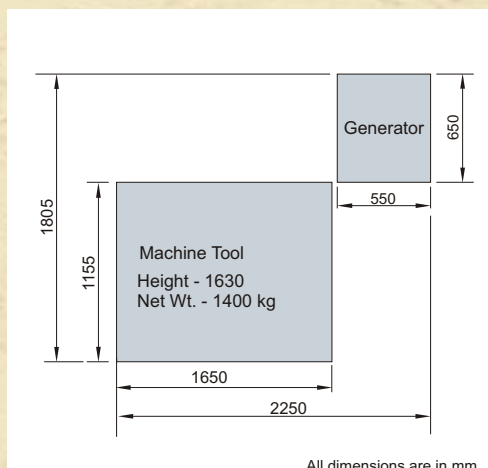
- Ball screws for X, Y table movement
- Fine pitch screws for u, v movement
- Stepper motors for X, Y, u, v axis movement
- Flushing assembly with four jets for better flushing
- Flexible job stand for job mounting
- Variable speed DC motor for wire drum assembly
- Steel (HCHCr) roller for wire drive mechanism
- Sturdy base

Technical Specifications

| Machine Tool | Ezeecut plus |
|---------------------------------|--|
| Max. workpiece size | 360 x 600 mm |
| Max. Z height | 400 mm |
| Max. workpiece weight | 300 kg |
| Main table traverse (X, Y) | 320, 400 mm |
| Auxiliary table traverse (u, v) | 25, 25 mm |
| Max. taper cutting angle | $\pm 3^{\circ}/100$ mm |
| Wire diameter | 0.2 to 0.25 mm (Brass) 0.12 to 0.25 mm (Molybdenum) |

| Generator | EZ - 01 |
|--------------------------------|---------------------------|
| Display | 15" VGA colour CRT |
| Min. input command | 0.001 mm |
| Min. increment | 0.001 mm |
| Interpolation function | Linear & Circular |
| Simultaneously controlled axes | X, Y, u, v |
| Min. resolution for X,Y,u, v | 0.001 mm |
| Data Input / Output | 1.44 MB floppy disc |
| Input power supply | 3 phase, 415 V* AC, 50 Hz |
| Connected load | 1.5 kVA |

Floor Plan



| Dielectric Unit | |
|------------------|--------------------------------|
| Dielectric fluid | Tap water + Coolant oil (20:1) |
| Tank capacity | 40 Litres |

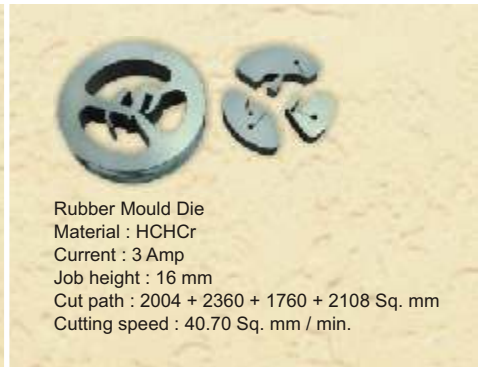
* Alternate voltage ratings available on request



Material : WPS
Job height : 37 mm
Path length : 475 mm
Total path length : 17575 sq mm/min.
Time : 348 min.
Cutting speed : 50.50 sq. mm/min.



Material : OHNS
Job height : 24 mm
Path length : 557.70 mm
Total path : 13384.8 sq. mm
Time : 278 min.
Cutting speed : 48.15 sq. mm/min.



Rubber Mould Die
Material : HCHCr
Current : 3 Amp
Job height : 16 mm
Cut path : 2004 + 2360 + 1760 + 2108 Sq. mm
Cutting speed : 40.70 Sq. mm / min.

Applications :

➤ EDM electrodes ➤ Plastic moulds ➤ Press tools having coarse tolerances ➤ Prototyping ➤ Template cutting ➤ Trimming dies

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

Nationwide Sales & Service Network

North Zone

New Delhi Zonal & Regional Office :
F-9, 12 & 13, 1st Floor,
Local Shopping Center, Mayur Vihar,
Near ICICI Bank, New Delhi - 110 091
Tel. : 011-22756324 / 27 Fax : 011-22754723
E-mail : eastdelhi@electronicagroup.com

Ludhiana Branch Office :
1st Floor, Pratap House, Jeevan Nagar,
Opp. Urban Estate Nursery, Focal Point,
Ludhiana - 141 010
Tel. : 0161-2676321 Fax : 0161-2674950
E-mail : ludhiana@electronicagroup.com

Gurgaon Branch Office :
Mobile Market, 1st Floor,
Opp. Air force Golden Jubilee School,
Officers' Mess, Old Delhi-Gurgaon Road,
Gurgaon - 122 001
Tel. : 0124-5084165
E-mail : gurgaon@electronicagroup.com

Janakpuri Branch Office :
305, Vishwa Sadan, District Center,
Janakpuri, New Delhi - 110 059
Tel. : 011-25549752, 39588890
Fax : 011-25549752
E-mail : janakpuri@electronicagroup.com

Kanpur Area Office :
Plot No. 127 / 33, W-1, Saket Nagar,
Kanpur - 208 012
Tel. : 0512-3959890 Fax : 0512-2619224
E-mail : kanpur@electronicagroup.com

Faridabad Area Office :
71, S.C.F., 2nd Floor,
Behind Megpie, Sector-16A,
Faridabad - 121 001
Tel. : 0129-5031068
E-mail : faridabad@electronicagroup.com

West Zone

Mumbai Regional Office :
106,7 & 8, 1st Floor,
Hindustan Kohinoor Indl. Complex,
L. B. S. Marg, Vikhroli West, Mumbai - 400 083
Tel. : 022-25793186, 25794815
Fax : 022-25786756
E-mail : mumbai@electronicagroup.com

Baroda Branch Office :
43-B, Nutan Bharat Society, Alkapuri,
Vadodara - 390 005
Tel. : 0265-2333627, 2350159 Fax : 0265-2341276
E-mail : baroda@electronicagroup.com

Pune Branch Office :
Elektra Chambers, 44, Mukundnagar,
Pune - 411 037
Tel. : 020-24270543 Fax : 020-24270891
E-mail : pune@electronicagroup.com

Aurangabad Resident Representative :
P.S. Samudra Mobile : 9822000387
E-mail : aurangabad@electronicagroup.com

Vapi Resident Representative :
Yogesh Gokhale Mobile : 9824149364
E-mail : vapi@electronicagroup.com

South Zone

Chennai Regional Office :
3/4, 2nd Floor, 'Priyan Plaza',
52, Nelson Manickam Rd.,
Aminjikarai, Chennai - 600 029
Tel. : 044-23740577 / 286 / 351 Fax : 044-23742309
E-mail : chennai@electronicagroup.com

Coimbatore Area Office :
110-A 1st Floor, A.R. EM. VE. Bldgs
Lokmanya Street (W), R. S. Puram, Coimbatore - 641 002
Tel. : 0422-2552469, 2540229 Telefax : 0422-2552469
E-mail : coimbatore@electronicagroup.com

Bangalore Branch Office :
No. 343, 2nd Floor, 11 th Cross, Sampige Plaza,
Sampige Rd., Malleswaram, Bangalore - 560 003
Tel. : 080-23461244 / 46 Fax : 080-23461245
E-mail : bangalore@electronicagroup.com

Secunderabad Branch Office :
Sree "Rama Bhavanamu" Municipal No. 10-2-238,
Plot No. 176, Above Food World,
West Marredipally, Secunderabad - 500 026
Tel. : 040-27716080 / 5886
Fax : (C/o) 040-27739116 (PP)
E-mail : hyderabad@electronicagroup.com

Nagpur Resident Representative :
Shishir Varma
Mobile : 9370224122
E-mail : nagpur@electronicagroup.com

East Zone

Kolkata Branch Office :
Flat No. 4, 1st Floor,
34 Mahim Haldar Street (Hazara)
Kolkata - 700 026
Tel. : 033-24542480 Fax : 033-24540910
E-mail : kolkata@electronicagroup.com



ELECTRONICA MACHINE TOOLS LTD.

Business Growth Division

Elektra Chambers, 44, Mukundnagar,
Pune - 411 037 INDIA
Tel. : ++91-20-24272013
Fax : ++91-20-24270891
E-mail : eedm@electronicagroup.com

Please direct overseas enquiries to :
vrm@electronicagroup.com

www.ElectronicAGroup.com