

*Wirecut technology made easy*

## EZEECUT PLUS

CNC Wirecut EDM



Built-in Multipass  
(1+7)  
Surface Finish 1.2 to 1.5  $\mu$ Ra  
Suitable for  
Moly & Brass wire

# EZEECUT PLUS

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## Features

- Lowest running costs
- Closed-loop X, Y with linear scales
- Multipass facility
- Reciprocating Brass / Molybdenum wire
- Max. cutting speed
  - 60 mm<sup>2</sup>/min. on Steel ( HcHcr / WPS )
  - 120 mm<sup>2</sup>/min. on Aluminium
- Best surface finish : 1.5~3.0 μ Ra
- Taper : ± 3<sup>0</sup>/100 mm
- Inbuilt 2-axis DRO
- Coolant oil is used as dielectric



## CNC Pulse Generator EZ-01

- Mirror Image of program across X, Y axis
- Colour TFT 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 program in steps of ± 90<sup>0</sup>
- 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 CD drive / USB drive
- Multi-cavity facility



## RRAPT

### Simple-to-use software

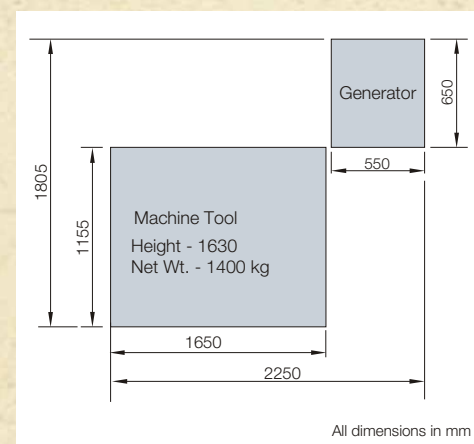
- DXF file interface
- Built-in utility packages for gears and curves
- Graphic programming tool
- Built-in functions : move, rotate, copy, mirror, scale, reverse mirror
- Multi-cavity program generation
- Tool path reversal



## 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

## Floor Plan



## Technical Specifications

Models		EP 2025	EP 2532	EP 3240	EP 4050	EP 5063	EP 6380	EP 63100	EP 100120
Worktable size	mm	390x280	490x330	400x640	500x740	650x850	790x1100	790x1380	1130x1460
XY table traverse	mm	200x250	250x320	320x400	400x500	500x630	630x800	630x1000	1000x1200
Max Z height mm	mm	200	300	400	500	600	1000	1000	1000
Max workpiece weight	Kg	200	250	500	600	900	1200	1500	2300
Max taper cutting angle	mm**		±3° / 100	±3° / 100	±3° / 100	±3° / 100	±3° / 100	±3° / 100	±3° / 100

Generator		EZ - 01
Display		Colour TFT
Min. input command	mm	0.001 mm
Min. increment	mm	0.001 mm
Interpolation function		Linear & Circular
Simultaneously controlled axes		X, Y, u, v
Min. resolution for X,Y,u, v	mm	0.001 mm
Data Input / Output		CD drive / USB drive
Input power supply		3 phase, 415 V* AC, 50 Hz
Connected load		1.5 kVA

Dielectric Unit		
Dielectric fluid		Tap water + Coolant oil (20:1)
Tank capacity		55 Liters
Filter		Magnetic Separator type

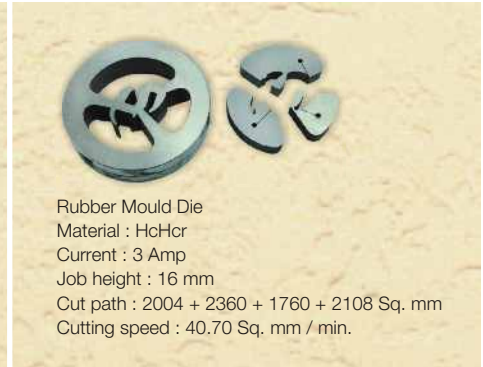
\* Alternate voltage ratings available on request



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 ever-changing market needs, we reserve the right to alter or change the specifications mentioned without prior notice.*

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