



CNC Wirecut EDM

*Optimised features.
Versatile applications.*



- New** ➤ USB port for program transfer
- Integral design with compact footprint
- Max. cutting speed :
 - ★ 70 mm²/min. [With Ø 0.25 special (soft) Brass wire on 50 mm thick HcHcr (Steel) workpiece]
 - ★ 60 mm²/min. [With Ø 0.25 plain Brass wire (Bravocut plus) on 50 mm thick HcHcr (Steel) workpiece]
- Best surface finish : 1.2 µ Ra
- Taper : ± 5°/100 mm
- Hand-held remote control
- ePulse technology

CNC Pulse Generator ELPULS-15

- New** ➤ Upgraded EMT 90W controller
- New** ➤ Colour LCD display
- New** ➤ e-code for technology parameter
- New** ➤ On-line program editor
 - USB 2.0 for data transfer
 - PreJOG function (for X, Y axes)
 - Display of cutting rate
 - 2D graphic simulation of wire path
 - Display of error messages
 - Different screen for MDI programing
 - Static hard disk for program storage
 - Simultaneous control of X, Y, u, v axes
 - MOSFET for high-speed switching and better surface finish
 - Trim cut facility

ePulse Advantages

- Stable machining & better performance in difficult machining conditions such as
 - Flushing nozzle away from the workpiece
 - Stacked workpieces of different materials
 - Cutting at the edge, of the workpiece etc.
- Higher cutting speed even on smaller workpiece thickness
- Minimum operator intervention



ELCAM

Powerful part programming software

- Windows-based editor (more flexibility in operation)
- Automatic installation facility
- Single screen with all tool-bars around
- Powerful path generation and edit functions
- Icon-based (symbolic) tool-bars (less language dependent)
- Context-sensitive descriptive help (no need to refer to the manual)
- Automatic Start & End block generation at appropriate blocks in NC program
- Automatic tangential Entry & Exit
- DXF interface

Typical job samples

Stamping Die with 10 min. taper

Material	: HcHcr (Steel)
Height	: 20 mm
Wire	: 0.25 mm Dia
Machining time	: 10 hrs. 25 min.
No. of cuts	: 2 (1 Rough + 1 Trim)
Surface finish	: 1.12 μ Ra



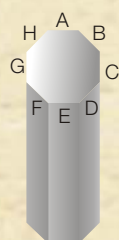
Thin-walled Copper electrode

Material	: Copper
Height	: 20 mm
Wire	: 0.25 mm Dia
Machining time	: 4 hrs. 12 min.
No. of cuts	: 2 (1 Rough + 1 Trim)
Surface finish	: 1.12 μ Ra



Octagon Machining

Material	: HcHcr (Steel)
Height	: 30 mm
Machining time	: 45 min.
No. of cuts	: 2 (1 Rough + 1 Finish)
Surface finish	: 1.1 to 1.2 μ Ra



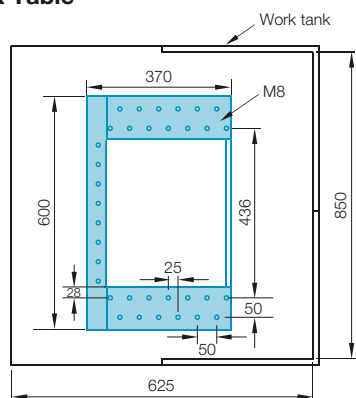
	A-E	B-F	C-G	D-H
Top	15.003	15.000	15.009	15.007
Mid	15.008	14.995	15.003	15.001
Bottom	15.010	15.004	15.010	14.999

Die & Punch

Material	: HcHcr (Steel)
Die height	: 20 mm
Machining time	: 90 min.
Punch height	: 50 mm
Machining time	: 3 hrs. 30 min.
No. of cuts	: 2 (1 Rough + 1 Trim)
Surface finish	: 1.0 ~ 1.2 μ Ra

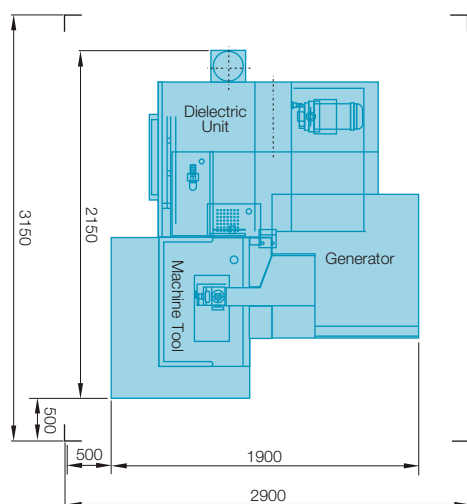


Work Table



All dimensions in mm

Floor Plan



Technical Specifications

Machine Tool

Max. table size	370 x 600 mm
Max. workpiece height	200 mm
Max. workpiece weight	300 kg
Main table traverse (X, Y)	250, 350 mm
Auxiliary table traverse (u, v)	30, 30 mm
Max. taper cutting angle	$\pm 5^\circ / 100$ mm
Max. wire spool capacity	6 kg
Dry run speed	80 mm/min.
Wire diameter	0.25 mm (standard) 0.2 mm (optional)

Generator

Display	Colour LCD
Min. input command	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	> USB 2.0 > Keyboard > RS232C Isolated serial interface
Input power supply	3 phase, AC 415 V*, 50 Hz
Connected load	3 kVA
Average power Consumption	1.3 to 2.3 kVA

ELPULS - 15

Dielectric Unit

Dielectric fluid	Water
Tank capacity	140 Litres
Paper filter	10 μ Single cartridge

Optional Mineral Filtration System

* Alternate voltage ratings available on request.



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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