

PENTA 2030 CNC

High Speed EDM drilling machine



Features

- **One button cycle start**
Automatically the electrode will detect the surface, set zero, start the high pressure pump, ram up cutting, cut to depth, and retract
- **Programmable Wear Compensation Percentage**
Retracts the electrode to a safe position after each cycle
- **Audible Edge Finding and Setup 2D Coordinate Rotation**
Setups are easier and eliminates calculation errors
- **Soft Spark**
Gradually increases amperage to improve stability and hole quality
- **Auxiliary I/O**
Ability to integrate ancillary devices such as rotary tables, indexers, and work piece handling systems
- **Simple Installation – Plug & Play**
- **Easy Programming**

Additional function for CNC version

- 12" Touch Screen with Windows CE
- Import DXF/Matrix/CSV for Automatic Holes Programming
- LAN/USB Connectivity

Model	P 2030	P 2030A	P 2535	P 3545
Travel X	300 mm	300 mm	350 mm	450 mm
Travel Y	200 mm	200 mm	250 mm	350 mm
Travel Z	350 mm	350 mm	350 mm	350 mm
Back slide	–	200 mm	200 mm	250 mm
Work table size	210 x 460 mm	210 x 460 mm	300 x 600 mm	300 x 600 mm
Open height	200 mm	200 mm	3 650 mm	350 mm
Electrode dia.	0,2 ~ 3 mm			
Floor space	1 000 x 1 020 x 2 070 mm	1 000 x 1 020 x 2 070 mm	1 080 x 1 080 x 2 100 mm	1 400 x 1 400 x 2 200 mm
Max. electrode length	400 mm			
Machine weight	600 kg	600 kg	800 kg	1 000 kg
Utilities	3 x 400 AC, 3,5 kVA, Air 0,6 MPa			

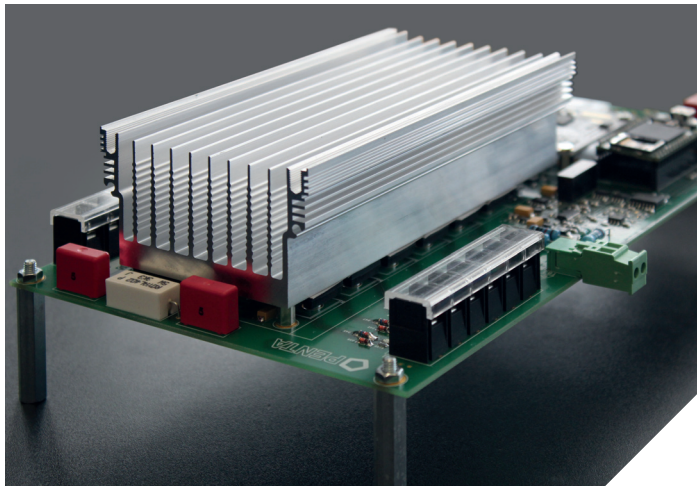
Generator

- Low wear ratio
- Shaping current (CNC)
- Short & ARC protection

Parameter	CNC	Manual
Max. average current	30 A, 12 setting	30 A, 6 setting
Ton	1 ~ 255 μ s	9 steps
Toff	1 ~ 255 μ s	9 steps
Capacitors	15 steps	
Break voltage	2 steps	

Accessories

Paper filter	1 set
Clamping set	1 set
Chuck	1 set
Tool box	1 pc
Electrode holder	1 pc
Guide	1 pc selected dia.
Lamp	1 pc
Sealing rubber	10 pcs



Control card made by PENTA



Control panel for manual drilling machine