

PCB Engraver

3 Axis CNC PCB and Engraving Machine



PCB ENGRAVER

Technical information

Equipment as standard

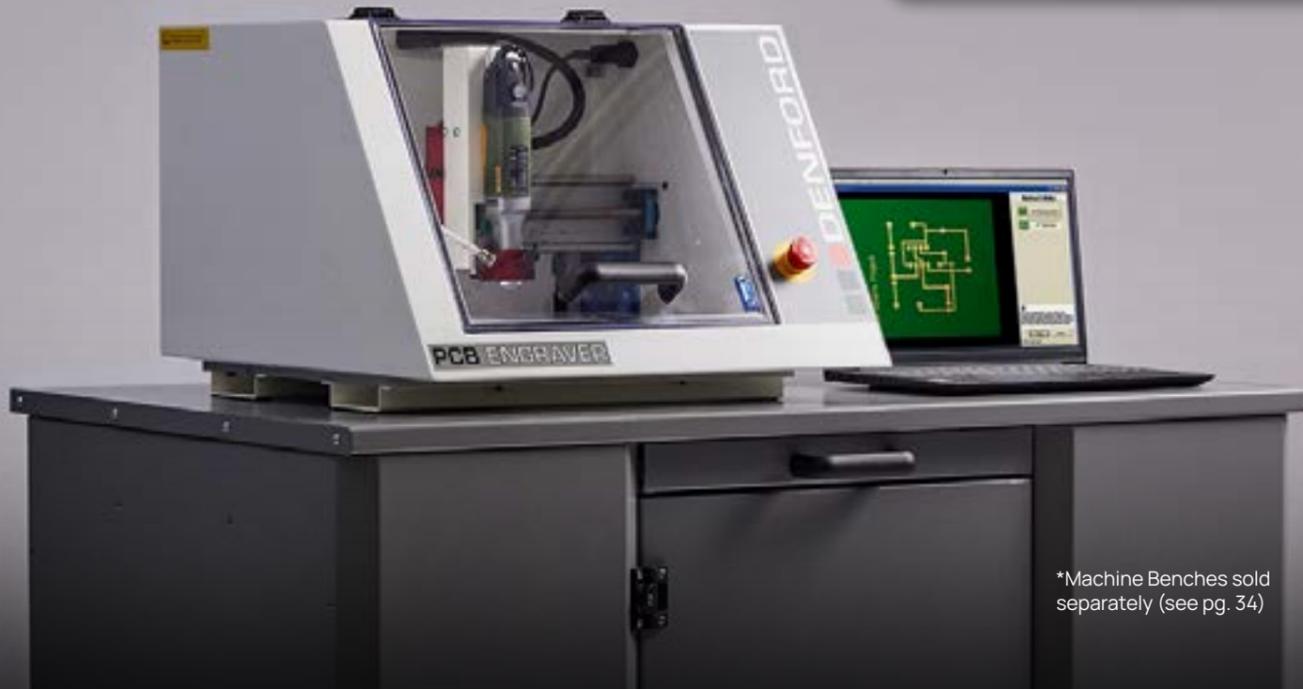
- Powerful operating software that is simple to use and allows multiple designs to be made at once
- High speed spindle motor and floating head technology
- Basic tools and depth-setting device
- Outlet for Dust Extraction System
- Sacrificial Table
- Installation and Instruction Manuals
- Ethernet or USB Connection
- *PC Not Included

Please note

- The PCB Engraver software will import Gerber files or CNC G-Code files.
- Third party PCB software is required to create Gerber files, and QuickCAM 2D Design software would be an ideal addition to create CNC G-Codes.
- Dust Extraction is essential to allow the machine to function. The Dust Pro 50 is ideal.
- The machine spindle has a 20 minute 50% duty cycle, so the use of additional spindle motors for tool changing will increase productivity.



GET A QUOTE



*Machine Benches sold separately (see pg. 34)



Suitable for all levels of PCB manufacture



Ideal for cutting a range of resistant materials



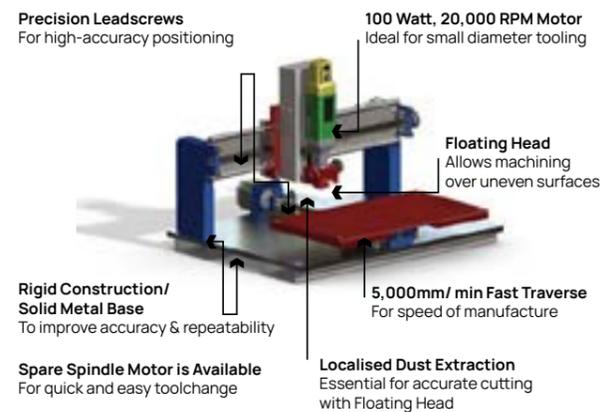
Perfect for uneven surfaces

Precision PCB manufacturing for every learning level

The Denford PCB Engraver is a fully enclosed CNC machine designed for safe, accurate and chemical-free PCB production across all levels of education, with support for Gerber and DXF imports. The Floating Head technology ensures consistent, high-quality results on both flat and uneven surfaces - ideal for electronics teaching, rapid prototyping and small-batch board manufacture.

Key Benefits:

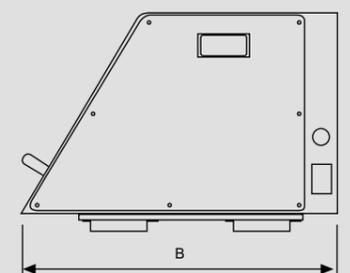
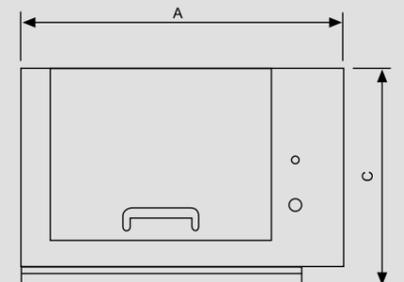
- Smooth workflow from PCB design to manufacture
- Accurate engraving of copper-clad board, plastics and acrylic
- Floating Head for consistent results on uneven surfaces
- Perfect for one-off or batch PCB production



Please note, diagram for illustration purposes only

Mechanical details

Machine Length (A)	570mm	22.44in
Machine Depth (B)	585mm	23.03in
Machine Height (C)	385mm	15.16in
Machine Weight	43kg	94.80lb
Table Size	360 x 210mm	14.17 x 8.27in
Travel X Axis	330mm	13in
Travel Y Axis	210mm	8.27in
Travel Z Axis	40mm	1.57in
Float Z Axis	5mm	0.20in
Beam Clearance	50mm	1.97in
Max Spindle Speed	20,000rpm	20,000rpm
Spindle Speed Control	Manual	Manual
Max Feed Rate	5000mm/ min	196.85in/ min
Max Contouring Feed Rate	1000mm/ min	39.37in/ min
Spindle Motor 100V / 230V Supply	100W	0.13HP
Axes Motors	Stepper	Stepper
Voltage	230V	110V
Current	5A	6A
Frequency	50/ 60Hz	50/ 60Hz



Machine Dimensions