



CNCMini 3020

A great value proposition for small job precision hobbyist machining. The PLE-3020-USB CNC can cut and engrave most materials, including softer metals quickly and accurately. Perfect for short-run production, intricate design work, and creative DIY.

FEATURES

- Uses simplified Mach 3 software
- Programmable Motorized Z-Axis
- Precision X-Y Axis
- Standard 81mm rotary / A-axis
- Low maintenance, high reliability
- Shipped to you as a completely pre-assembled and factory-tested system

BENEFITS

- Cuts and engraves a wide range of materials
- No noxious gases, liquids or oils are used or caused by the machining process
- Environment-friendly system. Quiet and clean with low electrical consumption
- We hold consumables and spares in stock in Cape Town and Johannesburg, ensuring minimum downtime for your business

SPECIFICATIONS

Machine dimensions	:	290 x 320 x 480mm
Rack material	:	Aluminium alloy
Max working stroke	:	X=180, Y=270, Z=90mm
Max material thickness	:	90mm
Spindle motor	:	400W VFD air cooled
Collet type	:	ER11 3.175mm
Axis drive (X Y)	:	Stepper motor
Z-axis drive	:	Gear drive
Rail System X-Y	:	1605 Ball Screw
Rail System Z	:	1204 Ball Screw
Max operating speed	:	1800mm/min (engraving 300-1200mm/min)
Repeat accuracy	:	<0.02mm
Computer Interface	:	USB 2.0
System requirements	:	Windows XP / 7 / 8 / 10
Software compatibility	:	Mach 3
Command code	:	Gcode
Machine weight	:	22kg
4th Axis (Rotary)	:	Standard
Centre Height	:	51mm
Max turning diameter	:	81mm





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- For any consumable parts, where the malfunction is due to the normal aging of the product.
- Cosmetic damage, including but not limited to scratches, dents and broken parts.
- Any software, even if packaged or sold with the product.
- For any other damages free from defects in material or workmanship.
- For routine cleaning, normal cosmetic and mechanical wear and tear.
- For items such as spindles, lenses and tubes

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