



CNCMaster 6040

The best value proposition workhorse for small job, high speed, precision machining. From prototyping to full scale manufacturing, the PLE-6040-USB CNCMaster can cut and engrave most materials quickly and accurately. Perfect for short-run production and just-in-time manufacturing.

FEATURES

- Uses standard Mach 3 software
- Programmable Motorized Z-Axis
- Precision X-Y Axis
- Pre-loaded linear bearings and precision ballscrews
- 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	:	870 x 660 x 520mm
Rack material	:	6061 and 6063 Hard aluminium alloy
Max. working stroke	:	X=375, Y=575, Z=68mm
Material thickness	:	Up to 95mm
Rail type	:	Chrome plated shaft + Linear Bearings, Surface hardening 61HRC
Type of screw	:	Ball screw 1605
Spindle motor	:	1.5 KW VFD water cooled spindle, 0-24000 r/min
Collet type	:	3.175mm
Stepper motor and drive	:	57BYGH76-3A, 8 segment drive
Max. operating speed	:	4000 mm/min (Engraving speed 300-3000 mm/min)
Repeat Accuracy	:	0.03mm
Interface	:	USB 2.0 or Parallel Mach3 controller
System requirements	:	Windows XP / 7 / 8 / 10
Software Compatibility	:	Mach3 / Emc2 / Kcam, (Type3, Wentai, ArtCAM)
Command code	:	Gcode
Machine weight	:	58kg
4 th Axis (Rotary)	:	Optional Extra
Center height	:	60mm
Max. turning diameter	:	110mm
Reduction ratio	:	3:1
Stepping motor	:	NEMA23 BHH76-3A
Weight	:	4.2kg

