

CNC SMART, SMART PLUS & SMART FAST

The CNC SMART, SMART PLUS and SMART FAST are all high performance floor mounted machines for improved routing productivity. SMART FAST has 15 metres per minute feed rate and the SMART FAST Y1300 has a Y axis of 1420mm.



Three flute finishing spiral.

- Available with three motor head options and two maximum feed speed options.
- CNC Smart Plus T10 has a medium duty head using a 2000 watt single phase head.
- CNC Smart Plus has a high frequency head fitted and a maximum feed speed of 3 metres per minute.
- CNC Smart Fast comes with a high frequency head and a maximum feed speed of 15 metres per minute.
- Solid construction with enclosed steel cabinet with interlocking door and floor stand, meeting the requirements of EN 848 Part 3.

CNC/PLUS/T10 £21,426.00

860 x 920 machine with 90mm of plunge fitted with T10 router.

CNC/SMARTPLUS £23,745.00

860 x 920 machine with 90mm of plunge fitted with HF head.

CNC/SMARTFAST £27,500.00

860 x 920 machine with 90mm of plunge fitted with HF head & max. speed of 15m per min.

CNC/SMART1300 £32,430.00

860 x 1420 machine with 90mm of plunge fitted with HF head & max. speed of 15m per min.



Floor mounted.
CNC/SMART1300 shown.

APPLICATIONS

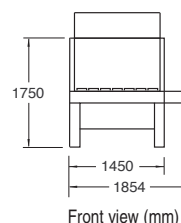
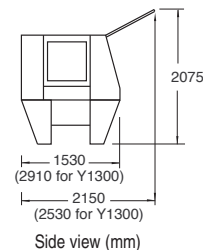


Created with
Vectric
PASSIONATE ABOUT CNC



	Product Ref. CNC/PLUS/T10	Product Ref. CNC/SMARTPLUS	Product Ref. CNC/SMARTFAST	Product Ref. CNC/SMART1300
DIMENSION:				
Width	1854mm	1854mm	854mm	854mm
Depth	1530mm	1530mm	1530mm	2910mm
Height door shut	1750mm	1750mm	1750mm	1750mm
Height door open	2075mm	2075mm	2075mm	2075mm
SPECIFICATION:				
Max. movement X-axis	860mm	860mm	860mm	860mm
Max. movement Y-axis	920mm	920mm	920mm	1420mm
Max. movement Z-axis	90mm	90mm	90mm	90mm
Max. cut feed rate X-axis	3-50mm/sec	3-50mm/sec	3-250mm/sec	3-250mm/sec
Max. cut feed rate Y-axis	3-50mm/sec	3-50mm/sec	3-250mm/sec	3-250mm/sec
Max. cut feed rate Z-axis	3-50mm/sec	3-50mm/sec	3-250mm/sec	3-250mm/sec
Max. non cut feed rate	50mm/sec	50mm/sec	250mm/sec	250mm/sec
Positional accuracy	<0.1mm	<0.1mm	<0.15mm	<0.15mm
Power supply	220-230v	220-230v	220-230v	220-230v
Maximum wattage	2000W	2000W	2000W	2000W
Maximum noise	85dB	80dB	80dB	80dB
Weight	350kg	350kg	350kg	420kg
Min. size doorway	1790 x 760mm	1790 x 760mm	1790 x 760mm	1790 x 700mm
Spindle speed	8000-24000	3000-18000	3000-18000	3000-18000

TECHNICAL DIAGRAMS:



Foam tool control routing.



Aperture being cut for glass in kitchen door cabinet.

CNC SMART LITE

The bench mounted CNC SMART LITE is the smallest CNC Machining Centre offering all of the advanced electronic control features and component structure of the larger Smart machines.

- Available with two motor head options:-
 - Medium duty 2000 watt single phase.
 - Heavy duty high frequency.
- Bench mounted (optional bench available).
- Single phase power supply for all Lite machines.
- Solid aluminium axis construction.
- Back operating software to control machine movements and running of programs.
- Requires a PC to run.

CNC/LITE/T10 £16,795.00

600 x 600 machine with 90mm of plunge fitted with T10 router.

CNC/LITE/HF £19,399.00

600 x 600 machine with 90mm of plunge fitted with a HF head.



Bench mounted.
Shown with optional bench.

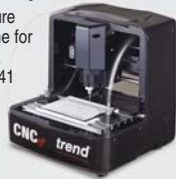
PCD CUTTERS

See page 74 for full details.



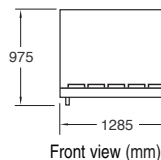
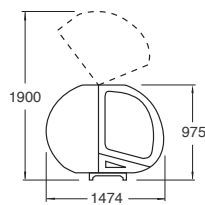
CNC/MINI/1

The latest miniature engraving machine for 2D & 3D projects. See pages 140-141 for full details.



	Product Ref. CNC/LITE/T10	Product Ref. CNC/LITE/HF
DIMENSIONS:		
Width	1285mm	1285mm
Depth	1474mm	1474mm
Height door shut	975mm	975mm
Height door open	1900mm	1900mm
SPECIFICATION:		
Max. movement X-axis	600mm	600mm
Max. movement Y-axis	600mm	600mm
Max. movement Z-axis	90mm	90mm
Max. cut feed rate X-axis	3-50mm/sec	3-50mm/sec
Max. cut feed rate Y-axis	3-50mm/sec	3-50mm/sec
Max. cut feed rate Z-axis	3-50mm/sec	3-50mm/sec
Max. non cut feed rate	50mm/sec	50mm/sec
Positional accuracy	<0.1mm	<0.1mm
Power supply	220-230v	220-230v
Maximum wattage	2000W	2000W
Maximum noise	85dB	80dB
Weight	200kg	350kg
Min. size doorway	1790 x 760mm	1790 x 760mm
Spindle speed	8000-20000	3000-18000

TECHNICAL DIAGRAMS:



HOW IT WORKS



Computer software design.



Routing the profile.



Tags holding mould workpiece in place.



Final finishing

CNC SMART OPTIONS

MOTOR HEADS

Heavy Duty High Frequency

Enables 24/7 machining capability to the range of CNC Smart machines. Collet size up to 1/2" (12.7mm). Available in 18000 rpm or 24000 rpm. Please state speed when ordering.



Medium Duty

The 2000 watt T10 power unit with a range of collet sizes up to 1/2" (12.7mm).



BECKER VACUUM PUMPS

This pump is a single phase side channel high efficiency pump, which incorporates a high build quality with low running cost. The pump comes complete with a relief valve and a 0.5 micron filter.

CNC/VAC/PP

£1,960.00



This pump is a three phase side channel high efficiency pump, which has a high build quality with low running cost. The pump comes complete with a relief valve and a 0.5 micron filter.

CNC/VAC/PP/3P

£2,189.00



CNC LITE BENCH

Purpose built bench for CNC Lite machines. Made from aluminium extrusion with adjustable feet for levelling.

CNC/LITE/FS £1,270.00



VACUUM TABLE

These 3 sizes of vacuum table are suitable for all of the machines. Made from an aluminium box section assembled, capped & inter-linked with 32mm diameter pipe work. This in turn is connected to the vacuum pump. The aluminium box section is surfaced with cells constructed from Foamex strips. The Y130 vacuum table has 140 cells, TABP has 98 cells & TABL has 55 cells.

CNC/VAC/TABP £1,435.00

For CNC/PLUS/T10 & CNC SMARTFAST machines.

CNC/VAC/Y1300 £1,580.00

CNC/VAC/TABL £1,435.00

For CNC/SMART/LITE, CNC/LITE/T10 & CNC/LITE/HF machines.



CREATIVE CNC SOFTWARE



VCarve Desktop and VCarve Pro provide a powerful but intuitive software solution for cutting parts on a CNC Router. They include the functionality demanded for complex work while remaining incredibly easy to use and affordably priced. The software is used by cabinet makers, wood workers, sign makers, prop makers, plastic fabricators, hobbyists and in many other applications.

- Complete set of 2D Design and Layout Tools.
- Layer control, Guide lines, Snap Grid.
- Text Editing + Single Line Engraving Fonts.
- 2D File Import - DWG, DXF, EPS, AI, PDF, SKP, SVG.
- Image File Import - BMP, JPG, TIF, GIF.
- Vectorize images to create vectors for machining.
- Single 3D File Import (STL, OBJ, 3DM, SKP etc.).
- Import Multiple Vectric 3D Clip Art Files for Layout and Assembly (V3M file format).
- Includes 100+ 2D Clip Art Designs.
- Includes 300+ 3D Clip Art Models.
- Robust V-Carving.
- Raised 3D Prism machining.
- Moulding Toolpaths - to create constant cross section profiles, arches, frames etc.
- Auto-Inlays with multiple options.
- 3D Random Texturing Toolpath.
- 2D Profiling with Interactive Tabs / Bridges, Lead and Ramp options.
- Pocketing with optimization for 2 cutters.
- Drilling with option for Peck Drilling.
- Beveled Letters.
- Custom Molding and Form Cutters.
- 3D Roughing and Finishing Toolpaths.
- Multi-color Toolpath Previews.

CNC/VARVE/D £275.00

- Work on parts larger than 24"x24" (600mm x 600mm).
- True Shape Nesting for material optimization.
- Toolpath Templates.
- Merge Toolpaths.
- Job Setup Sheets.
- Gadget (scripting) support.
- Rotary Axis (Wrapping).

CNC/VARVE/P £540.00

