



HURRICANE M

The Hurricane M is a powerful work center with extraordinary features that delivers an all-round solution with a competitive price.

This machine has a rigid steel frame a gantry build. Coupled with a high absorption table surface, allowing for maximum performance in cut quality. Features world's first class components for reliability and accuracy.

The Hurricane offers the ideal combination of speed and power to cut high volumes of board on a daily basis. Accuracy is assured with quality AC servo motors.

Impact CNC Thunder routers can cut a wide variety of materials including:

- Timber
- HMR
- MDF
- Plastics - PE - HDPE
- Acrylics
- Foam
- Aluminium Composite
- Aluminium
- Aluminium RHS & SHS
- Aluminium Extrusions
- Brass

DUST EXTRACTION SYSTEM

- 100mm diameter flexible hose – 15m supplied as standard
- Free standing base and arm to support hose
- Spindle dust foot with brush – adjustable in height
- Activated from control panel





HSD SMART SPINDLE

- 9.6Kw HSD SMART Spindle
- Max 24000 RPM
- 8 ISO 30 tools
- 8 ER32 Collets



GANTRY

- Heavy Duty, Precision Machined Steel Frame and Gantry
- Steel frame and gantry heat treated for maximum build accuracy.



VACUUM HOLD-DOWN PUMP

- 7.5kw 3-Phase Becker vacuum hold down pump with a flow rating 530m³ per hour
- Adjustable relief valve
- Vacuum filter
- Activated from control panel



TOOL LENGTH SENSOR

- Automatic cycle for tool length sensing
- Activated from controller



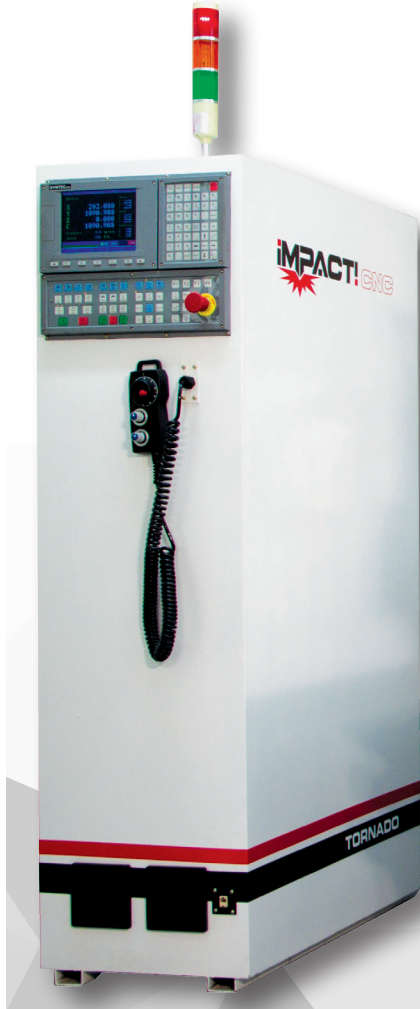
COOLANT MIST ATOMISER

- 1 litre capacity with adjustable flow rate
- Flexible hose to tool
- Activated from control panel



TABLE SURFACE

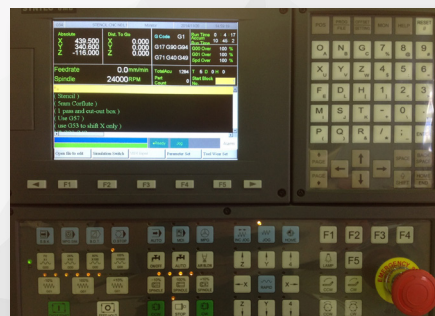
- Phenolic surface with adjustable rubber inserts.
- 4 zones available
- Vacuum pressure gauge
- Dust and chip protection wings

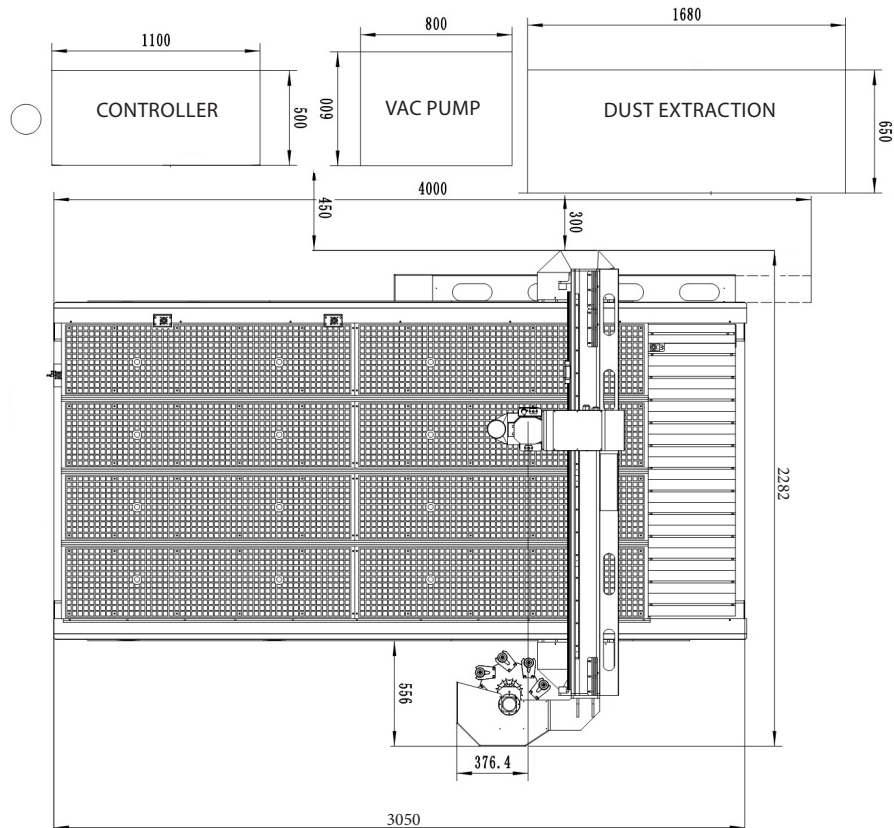


CNC Controller

Features include:

- Machine controlled by G Code
- Program edit function
- Graphic simulation with isometric view
- Adjustable origins
- "On the fly" feed rate adjustment
- "On the fly" spindle speed adjustment





MODEL: Hurricane M

Table size: 2500mm x 1230mm

200mm gantry clearance

Traveling size: 2500mm x 1260mm

Working size: 2480mm x 1230mm x 180mm

SPINDLE

9.6Kw HSD SMART spindle

Max speed 24000 RPM

Air cooled

Auto tool change

ISO 30 spindle taper

DRIVE SYSTEM

Maximum X & Y axes travel speed 45 meters/minute

Maximum cutting speed 20 meters/minute

A/C servo motors on all axes (2 on Y axis)

Direct drive (beltless) gearboxes on X & Y axes

Ball screw drive on Z axis

Quality THK linear bearings and rails

Helical rack and pinion on X & Y axes

CONTROLLER

Syntec FX

With hand wheel

SOFTWARE

Router 8 Design Software – Full 3D CAD/CAM

AUTOMATIC TOOL CHANGER (ATC)

Carousel type

8 tools capacity

Travels on right side of gantry

8 ISO30 taper tools supplied with pull studs

8 ER30 collets supplied

Fixed tool length sensor at rear of machine

MATERIALS HANDLING

7.5Kw vacuum hold down pump with a flow rating of 530m³ per hour

Vacuum pressure gauge on machine

Vacuum filter on pump

Dust extraction system 5Kw dual bag type

Free standing articulated arm and hose

Integrated dust foot – adjustable

Pop-up pins for easy material alignment

Tool vice and spanner

ELECTRICAL & AIR

40 amps 3 phase supplied with approx 6m cable & 4 pin plug

Air consumption: 12 litres/min dry air

Air pressure – 8 bar - Dry air required

WARRANTY

- 12 Months Full Parts and labour
- Covers all non-consumable parts.

DELIVERY, INSTALLATION & TRAINING

- Onsite installation and training are included throughout Australia.