

Tornado

CNC Plasma Cutting Machine

The *Tornado* is a high spec while affordable cnc plasma profile cutting machine.

At the heart of this machine is the

Hypertherm Edge Ti

package which incorporates a 15 inch SAW (surface acoustic wave) touch screen, built in servo amplifiers a single operator console and torch height control system. Using phoenix software the CNC controller allows manual nesting, remote help and many other features unique to this system.



The integral fume table has been designed so that there is no loss of suction even when the cross bins are full. The dual side drives are connected to high quality racks and pinions and linear bearings.

The *Tornado* can be supplied with any Hypertherm mechanized Powermax G3 system

Powermax mechanized systems have advanced torch and power supply designs which provide cost affective, high quality air plasma cutting.



Mechanised cut capacity (pierce)

Powermax 45 - 10mm

Powermax 1000 - 12mm

Powermax 1250 - 16mm

Powermax 1650 - 19mm

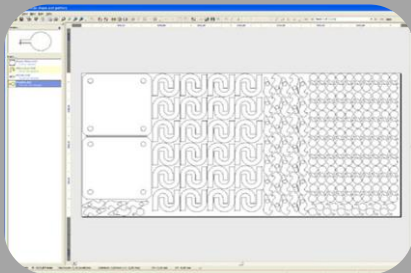
For those customers wanting higher duty cycle, long life or mixed gas cutting for none ferrous materials, the *Tornado* can also be supplied with the Hypertherm Hyspeed HSD 130 plasma cutting system, enabling a pierce and cut capacity of 25mm.



Table Specifications

- Cut areas of 3m by 1.5m, 3 by 2m and 4m by 2m
- Cutting table made from a fabricated sectional frame fitted with hardened and ground linear slideways on to which the cutter carriage is directly mounted.
- The carriage is driven by precision rack and pinion gears through the servo motor and gearbox assemblies.
- Cables and supplies are delivered by a drag chain fitted to the side of the machine.
- Hypertherm EDGE Ti cnc control system with built in torch lifter assy
- Three axis servo dc drive system, driven by precision rack and pinion gears through motor gearbox assemblies.
- Sealed motor mounted encoders.

Options



TurboNest profile nesting software is a very easy to learn program designed for use with conventional plasma systems. Being a modular package means you only pay for the options relevant to your business. Manual and automated nesting options provide a flexible and user friendly package.



DFPRO Fume extraction system:

- Compact Design
- High performance filters
- Better cleaning efficiency
- Low pressure drop spark gap
- Easy maintenance
- Quiet operation