

The Swift-Cut Pro Range

A collection of three cutting edge CNC plasma cutting machines. With its easy to use software, the Swift-Cut Pro range promises high speed precision cutting at a low cost investment. Easy to use, simple to learn and operate with exceptional aftercare and support, the Swift-Cut Pro range is the answer to affordable in-house metal cutting.

Hybrid Servo Motors

Repeatable positional accuracy, monitored torque delivery and smooth motion.

Heavy duty gantry

Heavy duty gantry end castings with machined faces, together with the lightweight but rigid gantry provide a precise and stable platform for the cutting head. It also supports twin x-axis linear rails and it gives you the ability to cut 100mm box sections.

Enclosed drag chains

Fully enclosed drag chains protect cables against damage from molten material.

Fully enclosed cutting head

Fully enclosed cutting head offers protection to key components against the harsh cutting environment.

Intelligent Torch Height Control

Never have to set up torch height control yourself. Automatic voltage sampling provides repeatable cut quality and increased consumable life compared to conventional Torch Height Control systems.

Initial Height Sense

The Soft Sense system enables you to repeatably and accurately sense the top of the thinnest to the thickest of materials without distortion of the plate.

Laser positioning crosshair

Laser crosshair aids in setting the torch start position.

Engraving tool

The Swift-Cut engraving tool allows you to mark and cut in one operation, meaning no more outsourcing or moving your project from one machine to another (optional extra).

Breakaway head

Prevents damage to the torch should an unexpected collision occur.

Table bed options

The water table bed option offers efficient fume suppression so that no external fume extraction is required. Alternatively, the zoned downdraft table option (available in all machine sizes) captures fumes and particles from beneath the cutting area.

Software

Swift-Cut's easy to use software.

Operators console

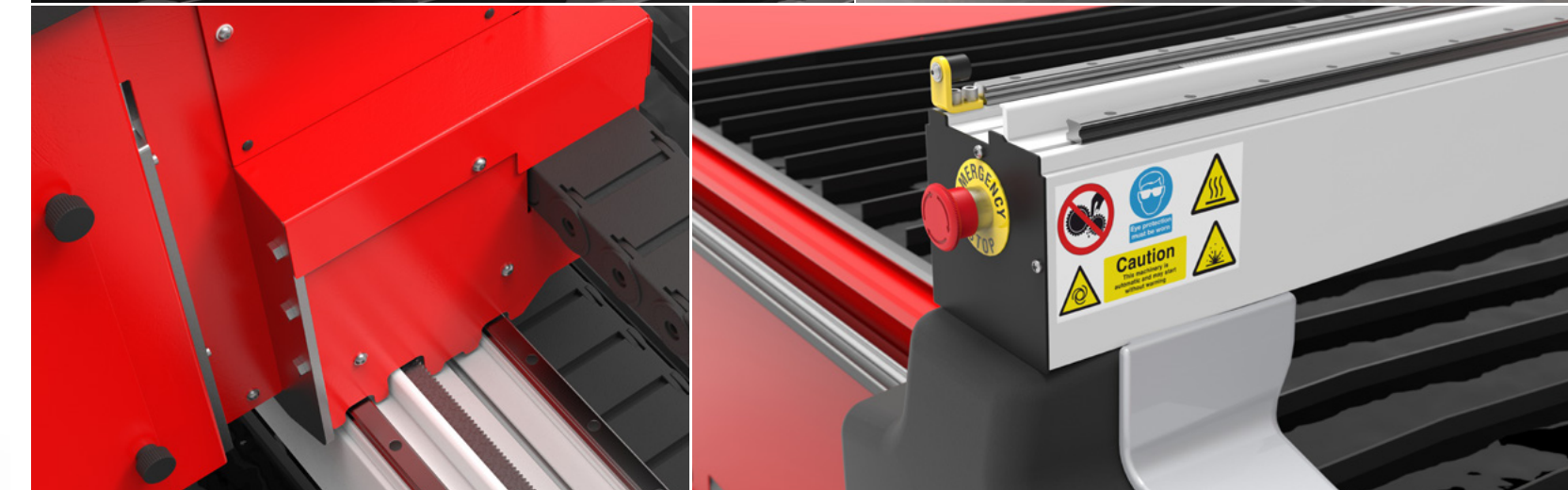
Ergonomic operators console with touch screen and keyboard/ mouse inputs.

Fully welded base

Heavy duty base provides support and rigidity.

Linear rail on all axes

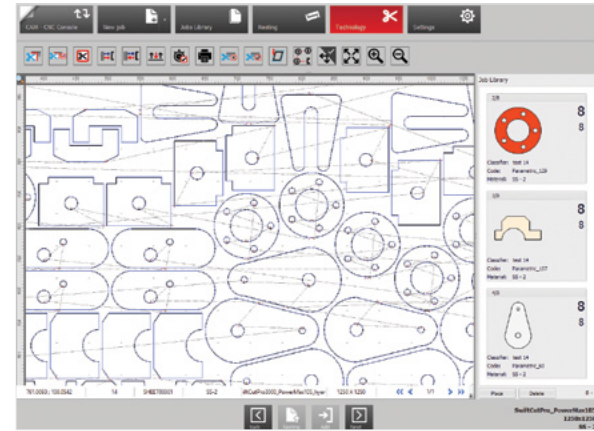
Straight, accurate and repeatable movements, they also deliver a smoother motion compared to other guide systems.



The Swift-Cut Pro range comes with advanced industry leading features as standard, combined with easy to use and intuitive software. The Pro range is designed to take metal cutting to another level - its incredible capabilities offer exceptional high-end cutting solutions at amazingly low prices.

SwiftCAM

Swift-Cut's easy to use software guarantees that anyone with a basic knowledge of computers will be capable of operating the CNC plasma cutting system. Minimal training means the machine will be operational almost immediately, maximising output from the start.



Direct Cut Control

Remote control of settings for Hypertherm Powermax plasma systems.

- o Automatic control of cutting amps.
- o Automatic control of air pressure.
- o Automatic control of cut mode.
- o Read fault codes from the operator's console.

Continuous Arc Mode

A simple unique solution allowing operators to cut wire mesh and perforated materials with the Hypertherm Powermax plasma systems.

Beginner and Advanced CNC controls

If you are new to CNC and require a simplified software interface or if you are an advanced user who wants the latest features in CNC, our software will suit your needs.

Plate Alignment

Never struggle aligning your material again, the software will do the work for you.

Sheet Trim

Easily trim off scrap material.

Cut recovery

Easily recover interrupted cuts due to a breakaway head or emergency stop condition.

G-code Favourites

Save up to 5 g-code files for quick loading.

Dry run

Run the g-code file without cutting

Automatic lead in/out

Software automatically applies lead ins/ out for quicker programming.

JPEG/DXF/DWG import capable

Import .dxf files or convert .jpg images for cutting.

Automatic nesting*

Automatically nests parts for economical sheet usage.

Part in part nesting

Nest parts in scrap areas to fully utilise the sheet.

Datum store

Don't lose a datum point again, this system stores your last datum point so even if you lose power you won't lose your position.

Configurable datum points

Set up to 5 datum points anywhere on the cutting bed. This can be used to reduce set-up times when using jig fixtures or set custom parking positions.

Advanced Drawing Importer

Built in system to clean, scale or delete items within problematic drawings.

Customisable cutting rules

Optimise cutting parameters for best cutting performance.

Customisable toolsets

Modify or create toolsets for new materials.

3D part preview

Preview the part in 3D before cutting.

Parametric shape library

Over 80 configurable shapes.

G-Code Queue

Queue up to 5 g-code files for quick loading.

*Advanced Swift-CAM only



Available in 3 sizes



Pro 44
cutting area 4' x 4'



Pro 48
cutting area 4' x 8'



Pro 510
cutting area 5' x 10'

Cutting Power Options

Plasma Source: Hypertherm

Max pierce capacity	Mild steel	Stainless steel	Aluminium	Duty cycle	100% duty cycle
Powermax 45* XP	1/2"	3/8"	3/8"	50%	32Amps
Powermax65*	5/8"	1/2"	1/2"	50%	46 Amps
Powermax85*	3/4"	5/8"	5/8"	60%	66 Amps
Powermax105 (3PH, 200-600V)	7/8"	3/4" low use	3/4"	80%	94 Amps
Powermax125 (3PH, 480V only)	1"	7/8"	7/8"	100%	125 Amps

* Single or three PH available

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