

Swift-Cut XP
Cutting System
Brochure

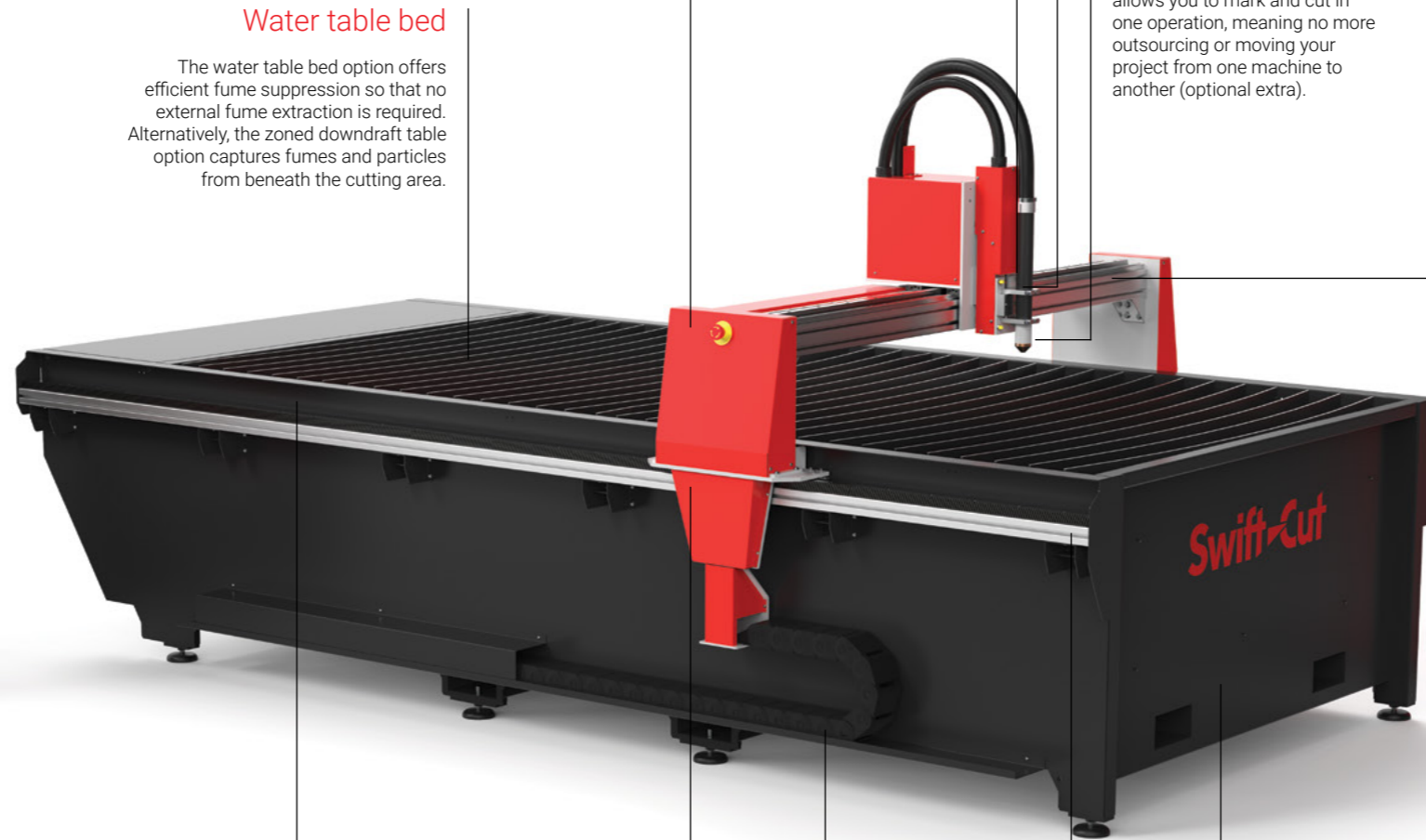
The Swift-Cut XP

The Swift-Cut XP is cutting edge in its design and more durable than ever. The new XP is designed with production cutting in mind up to 32mm (with a pierce capacity and edge start 50mm mild steel), now available to work in conjunction with the Hypertherm MAXPRO200. Supplied with OMRON AC servo motors across all axes for improved accuracy.



MAXPRO200

Plasma system



Water table bed

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

Covers

Protect key components against the harsh cutting environment

Breakaway head

Ensures the torch is protected in the event of a part collision.

Automatic height control

Automatic torch height control maintains the correct cutting height resulting in improved cut quality and consumable life.

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).

Gantry beam

Lightweight but rigid gantry beam supports twin x-axis linear rails, it also gives you the ability to cut 100mm box sections.

Software

Swift-Cut's easy to use software. Swift-Cam Advanced as standard

Operators console

Freestanding operator's console as standard with every machine

Helical Rack

Helical Rack on X & Y axes offers reduced backlash and greater repeatability

Heavy duty gantry

Heavy duty gantry end castings with machined faces provide a precise and stable platform for the cutting head.

Enclosed drag chains

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

Heavy duty base

Fully welded reinforced base provides the required support and rigidity when cutting thick material

Linear rail

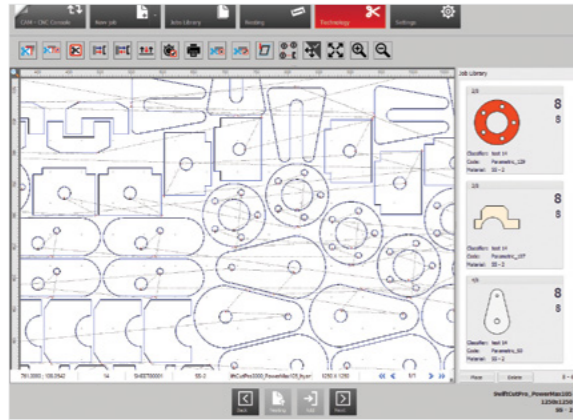
Precision linear rail on all axes combined with Omron AC digital servos delivers exceptional positioning accuracy.

Key Benefits:

- Ability to cut using Air/Air, O²/Air and N²/Air
- Improved edge finish
- Faster cut speeds
- Less dross
- Less taper
- Longer consumable life

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 table will be operational almost immediately, maximising output from the start.



3D Cut Simulation

Play a 3D machine simulation of the cutting operation.

3D part preview

Preview the part in 3D before cutting

Job reports

Export job reports displaying scrap percentage and cutting times.

Optional extras

Marking

The Swift-Mark allows for features such as fold lines and part numbers to be engraved onto the plate.

Tracing

Go from line drawings to cutting your design in four simple steps with our Swift-Trace system

Automatic nesting

Automatically nests parts for economical sheet usage.

Automatic lead in/out

Software automatically applies lead ins/out for quicker programming.

Part in part nesting

Nest parts in scrap areas to fully utilise the sheet.

Customisable cutting rules

Optimise cutting parameters for best cutting performance.

Customisable toolsets

Modify or create toolsets for new materials.

Parametric shape library

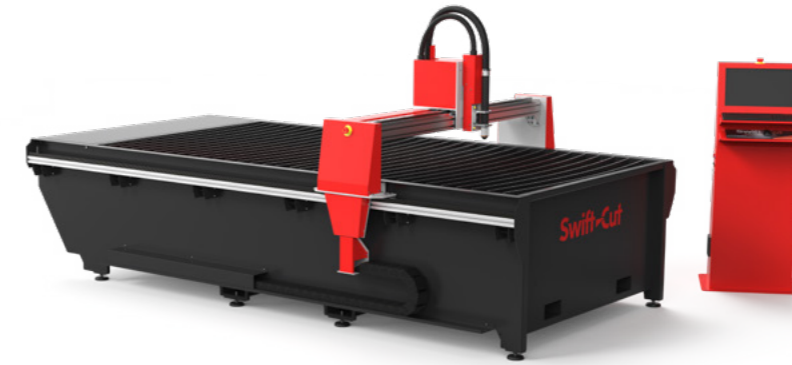
Over 80 configurable shapes

Toolsets

Standard toolsets for mild steel, stainless steel and aluminium



Available Size



Swift-Cut XP

3000mm x 1500mm cutting area (10' x 5')

Cutting Power Options

Plasma Source: Hypertherm

Max pierce capacity	Mild steel	Stainless steel	Aluminium	Duty cycle	100% duty cycle
Powermax 45*	12mm	12mm	10mm	50%	32Amps
Powermax 65	16mm	12mm	12mm	50%	46 Amps
Powermax 85	19mm	16mm	16mm	60%	66 Amps
Powermax 105	22mm	20mm low use	20mm	80%	94 Amps
Powermax 125	25mm	20mm	25mm	100%	125 Amps
MAXPRO200	30mm	25mm	25mm	100%	200 Amps

* single phase