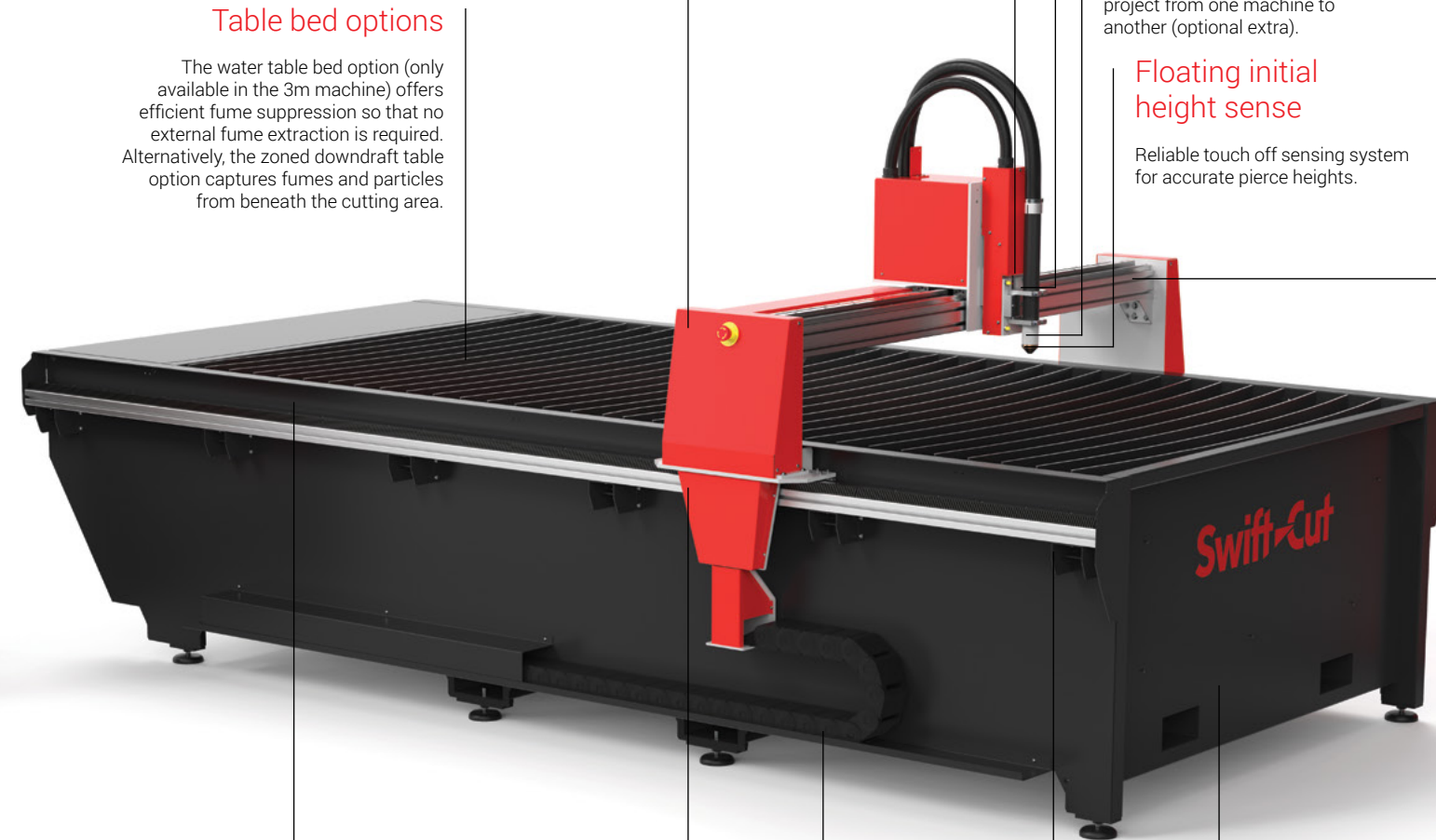SMART CUTTING SOLUTIONS

The Swift-Cut XP

The Swift-Cut XP is cutting edge in its design and more durable than ever. The XP is designed with production cutting in mind up to 1.25" (with a pierce capacity and edge start 2" mild steel), now available to work in conjunction with the Hypertherm MAXPRO200. Supplied with OMRON AC servo motors across all axes for improved accuracy.

Breakaway head
Ensures the torch is protected In the event of a part collision.

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.

Protection Covers
Protect key components against the harsh cutting environment

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 8" box sections.

Table bed options
The water table bed option (only available in the 3m machine) 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.

Floating initial height sense
Reliable touch off sensing system for accurate pierce heights.

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

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

MAXPRO200
Plasma system

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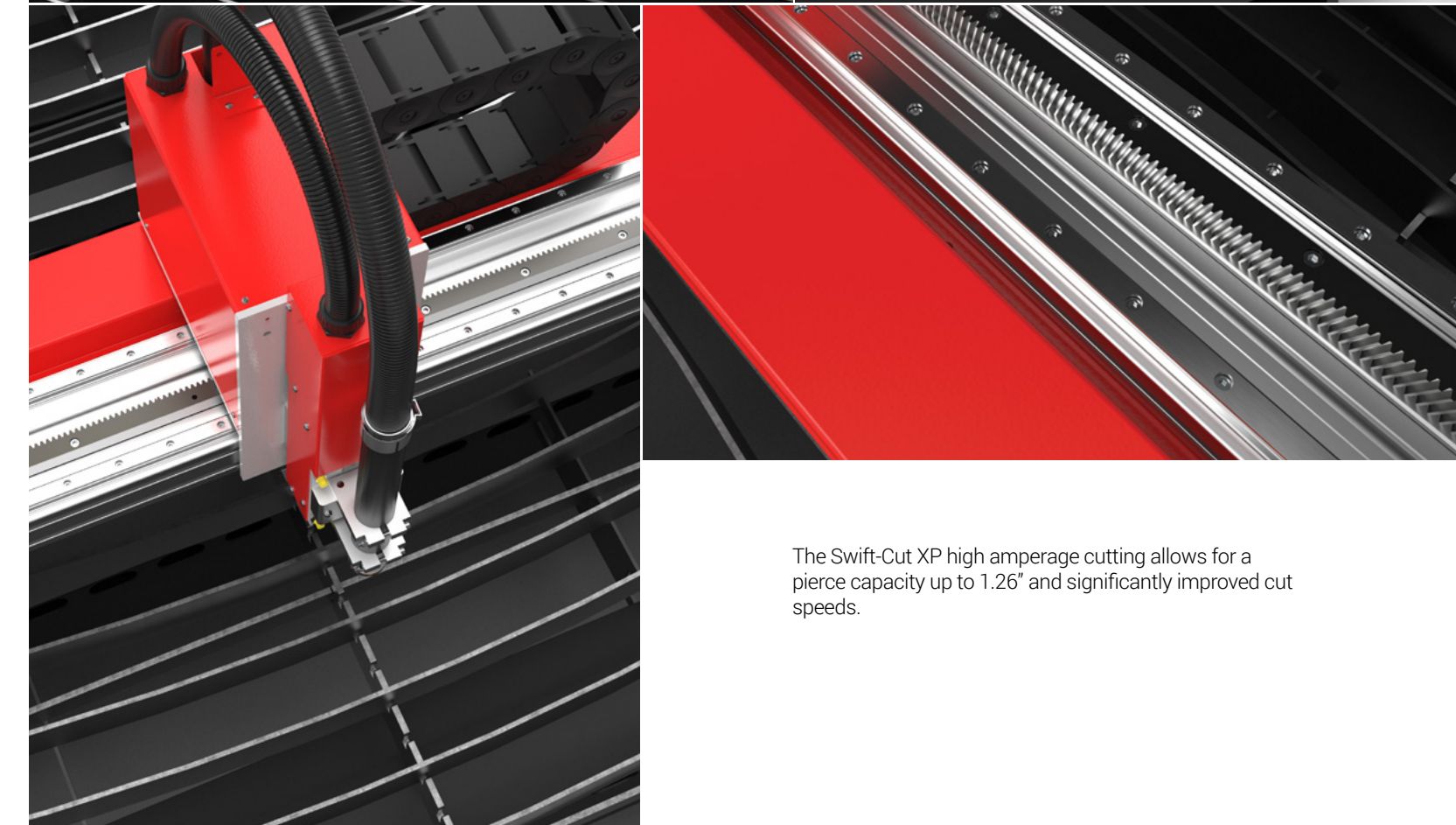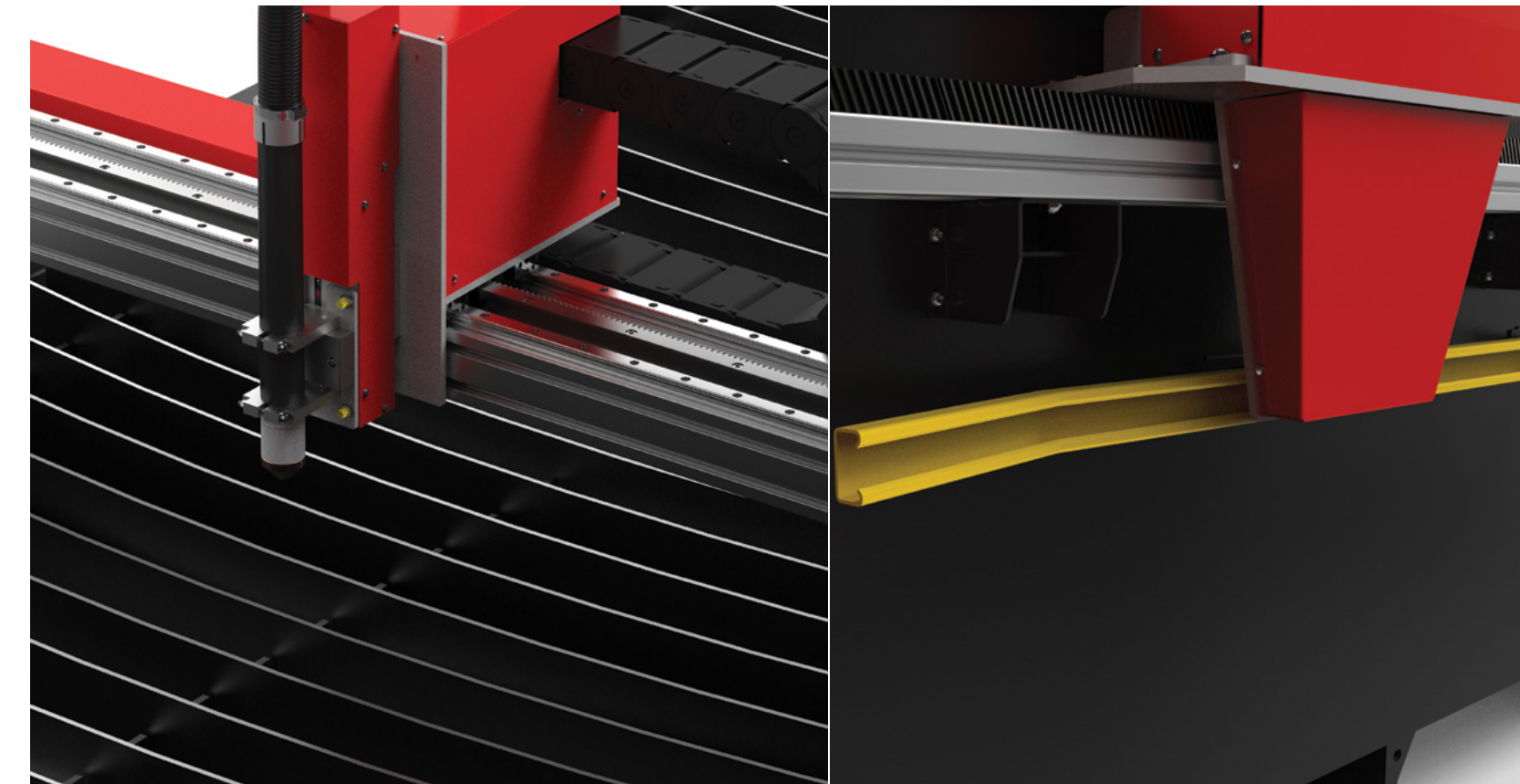Fully enclosed drag chains protect cables against damage from molten material.

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

Heavy duty base
Fully welded reinforced base provides the required support and rigidity when cutting thick material
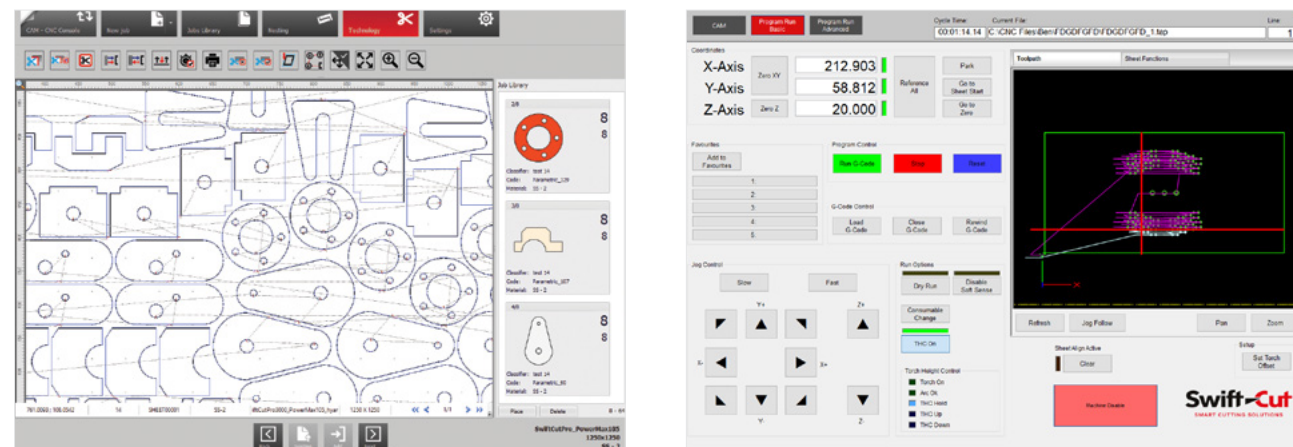
Key Benefits:
- Ability to cut using Air/Air, O^2/Air and N^2/N^2
- Improved edge finish
- Faster cut speeds
- Less dross
- Less taper
- Longer consumable life

The Swift-Cut XP high amperage cutting allows for a pierce capacity up to 1.26" and significantly improved cut speeds.

Swift-Cut Software

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.

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.

Zero 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.

Available in 2 sizes

Swift-Cut XP
10' x 5' cutting area

Swift-Cut XP
13' x 6.5' cutting area

Cutting Power Options

Plasma Source: Hypertherm

Max pierce capacity	Mild steel	Stainless steel	Aluminum	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
MAX PRO 200	1.25"	1"	1.25"	100%	200 Amps

* Single or three PH available

For more information contact
swift-cut.com

Swift-Cut XP
CNC Plasma
Cutting Machine
Brochure