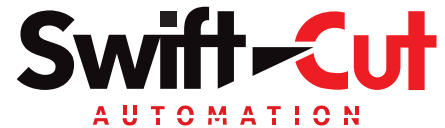


Technical Specification



Swift-Cut PRO 44

Swift-Cut Profiling Table

- Cutting area able to take sheet size 4' x 4' (1250 x 1250 mm)
- Dropped rails for ease of loading
- Gantry parking to allow full sheet to be loaded overhead
- Robust steel frame
- Light head for cut performance and easy maintenance
- Smooth motion linear V wheels
- Powerful 4 N/m hybrid stepper motors
- Dual drive Y-axis
- Rack and pinion drive system
- Digital Torch-Height Control (DTHC) NEW quick response for improved cut quality and improved torch consumable life
- Dynamic Cut Control (DCC) on Powermax 65/85/105/125



INDUSTRY 1st UNIQUE TO SWIFT-CUT

- Software control of the plasma unit giving control of cutting amps and air pressure
 - Error messaging from Hypertherm plasma unit is now displayed on Swift-Cut control screen
 - Various cutting speeds can be applied to the same profile to improve cut quality.
-
- Ability to cut metal up to a thickness of 1" (25mm) depending on the Hypertherm Powermax unit selected
 - Magnetic breakaway head eliminates damage to torch and improves machine safety
 - Proximity sensing for reliable and robust switching.
 - Auto adjusting x-axis linear v rollers.

Options

- Swift-Trace camera for importing hand drawn images and converting to a DXF file
- Swift-Marker unit – integrated pneumatic marker. Automatically marks text, fold lines and centre marks

Bed Options

Down Draft

- Zoned downdraft bed for efficient fume extraction
- Easy to remove dross trays for removing scrap metal quickly
- Lift out cutting deck

Water Table

- Water tray for efficient control of sparks and fumes
- Removable stainless steel splash guards for side rail protection
- Large drain and tap for quick and easy emptying

Freestanding Operator's Console

- Built in PC and 18.5" flat panel LCD monitor
- Wireless keyboard and mouse for ease of use
- Dual core CPU Intel i3 processor
- 500 GB hard drive
- 4 GB ram
- Industrial standard steel console
- Easy access for maintenance
- E-stop safety button
- External USB and network port for transfer of file and team viewer link to Swift-Cut Software

Software

- Solid Edge 2D; CAD programme
- Swift-Cam 1 CAD/CAM programme (features include conversion of any DXF file to Swift-Cut machine code and the manual nesting of parts, generic shapes, preloaded cut tools, consumable recognition photos)
- Swift-Cut CNC control system software
- Windows 7 operating system
- Team Viewer for "anywhere" on-line support

Upgrades

Swift-CAM 2

All of Swift-CAM 1 plus Auto-Nesting software with 1 click plate utilisation

Swift-CAM 3

All of Swift-CAM 1 & 2 plus cutting path check auto correction, 3D simulator and a cycle time calculator

HVAC

Parametric shape library of adjustable drawings for creating quick 3D to 2D profiles commonly used in the HVAC market can be used alongside Swift-CAM 1 and 2 for auto nesting parts

Plate Management

Available as a bolt-on module to Swift-Cam 3 this module allows you to obtain the real time availability of useable stock plate and track reusable remnants

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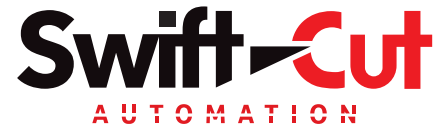


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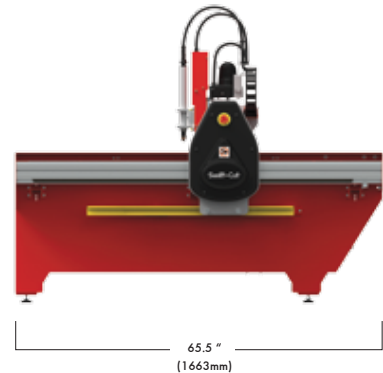
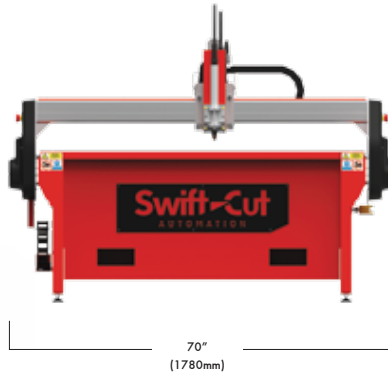
Swift-Cut
AUTOMATION
www.swift-cut.us

Technical Specification



Size / footprint

Due to its plug & play design, the space required for installation of this machine is minimal. Our machine will comfortably fit in an area of 118.1" x 137.8" (3000mm x 3500mm) area including power source.



Extraction systems






Van Dijk – Highcube

Donaldson – DFPRO 4

Weight

1102lb

Hypertherm plasma source options

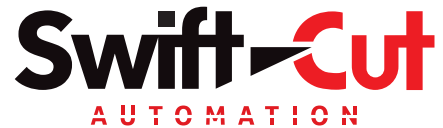
	 Powermax 45XP <small>single phase</small>			 Powermax 65			 Powermax 85			 Powermax 105			 Powermax 125		
Material	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*
Max Pierce	1/2	1/2	3/8	1/2	5/8	1/2	5/8	3/4	5/8	3/4	7/8	3/4	3/4	1	1
Max Edge Start	7/8	1	3/4	3/4	1	3/4	1	1 - 1/4	1	1 - 1/4	1 - 1/2	1 - 1/4	1 - 1/2	1 - 1/2	1 - 1/2

Please note:

Table area above includes table, plasma source and console, it does not include the extraction system and applies only for the DownDraft option, the Water table option is an inch longer and wider.

*Plasma cutting of Aluminum will form hydrogen gases in the water table. Proper ventilation, and safety precautions are the sole responsibility of the user. Swift-Cut Automation USA Inc assumes no liability. Please refer to the appropriate Hypertherm safety manual for the plasma source you have selected.

Technical Specification



Swift-Cut PRO 48

Swift-Cut Profiling Table

- Cutting area 4'x 8' (1250mm x 2500mm)
- Dropped rails for ease of loading
- Gantry parking to allow full sheet to be loaded overhead
- Robust steel frame
- Light head for cut performance and easy maintenance
- Smooth motion linear V wheels
- Powerful 4 N/m hybrid stepper motors
- Dual drive Y-axis
- Rack and pinion drive system
- Digital Torch-Height Control (DTHC) NEW quick response for improved cut quality and improved torch consumable life
- Dynamic Cut Control (DCC) on Powermax 65/85/105/125



INDUSTRY 1st UNIQUE TO SWIFT-CUT

- Software control of the plasma unit giving control of cutting amps and air pressure
 - Error messaging from Hypertherm plasma unit is now displayed on Swift-Cut control screen
 - Various cutting speeds can be applied to the same profile to improve cut quality.
-
- Ability to cut metal up to a thickness of 1" (25mm) depending on the Hypertherm Powermax unit selected
 - Magnetic breakaway head eliminates damage to torch and improves machine safety
 - Proximity sensing for reliable and robust switching.
 - Auto adjusting x-axis linear v rollers.

Options

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- Swift-Marker unit – integrated pneumatic marker. Automatically marks text, fold lines and centre marks

Bed Options

Down Draft

- Zoned downdraft bed for efficient fume extraction
- Easy to remove dross trays for removing scrap metal quickly
- Lift out cutting deck

Water Table

- Water tray for efficient control of sparks and fumes
- Removable stainless steel splash guards for side rail protection
- Large drain and tap for quick and easy emptying

Freestanding Operator's Console

- Built in PC and 18.5" flat panel LCD monitor
- Wireless keyboard and mouse for ease of use
- Dual core CPU Intel i3 processor
- 500 GB hard drive
- 4 GB ram
- Industrial standard steel console
- Easy access for maintenance
- E-stop safety button
- External USB and network port for transfer of file and team viewer link to Swift-Cut Software

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HVAC

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Plate Management

Available as a bolt-on module to Swift-Cam 3 this module allows you to obtain the real time availability of useable stock plate and track reusable remnants

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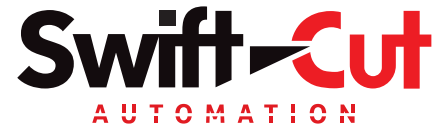


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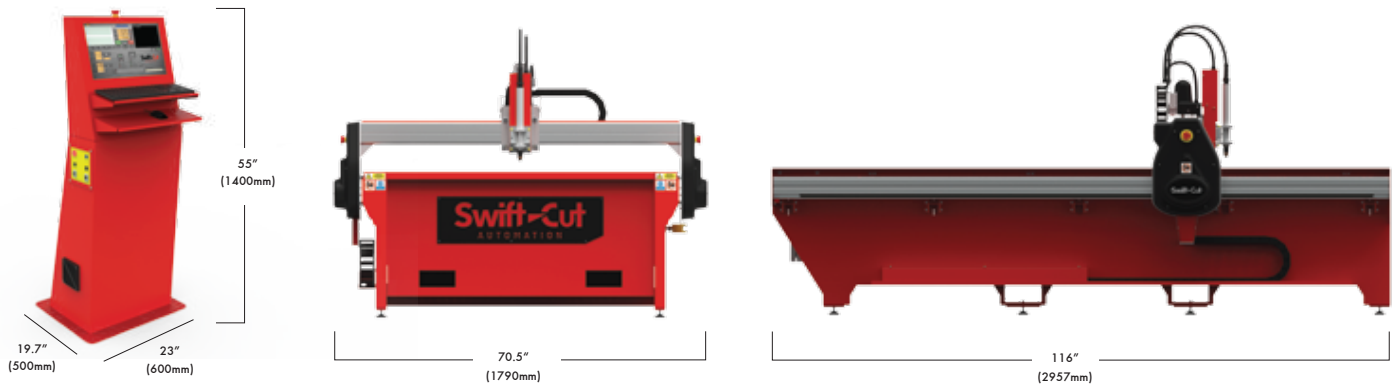
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Technical Specification



Size / footprint

Due to its plug & play design, the space required for installation of this machine is minimal. Our machine will comfortably fit in an area of 118.1" x 177.1" (3000mm x 4500mm) area including power source.



Extraction systems






Van Dijk – Highcube

Donaldson – DFPRO 4

Weight

1543lb

Hypertherm plasma source options

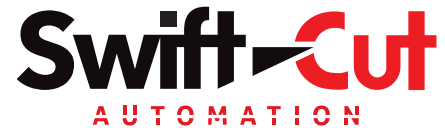
	 Powermax 45XP <small>single phase</small>			 Powermax 65			 Powermax 85			 Powermax 105			 Powermax 125		
Material	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*
Max Pierce	1/2	1/2	3/8	1/2	5/8	1/2	5/8	3/4	5/8	3/4	7/8	3/4	3/4	1	1
Max Edge Start	7/8	1	3/4	3/4	1	3/4	1	1 - 1/4	1	1 - 1/4	1 - 1/2	1 - 1/4	1 - 1/2	1 - 1/2	1 - 1/2

Please note:

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Technical Specification



Swift-Cut PRO 510

Swift-Cut Profiling Table

- Cutting area 5' x 10' (1500mm x 3000mm)
- Dropped rails for ease of loading
- Gantry parking to allow full sheet to be loaded overhead
- Robust steel frame
- Light head for cut performance and easy maintenance
- Smooth motion linear V wheels
- Powerful 4 N/m hybrid stepper motors
- Dual drive Y-axis
- Rack and pinion drive system
- Digital Torch-Height Control (DTHC) NEW quick response for improved cut quality and improved torch consumable life
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INDUSTRY 1st UNIQUE TO SWIFT-CUT

- Software control of the plasma unit giving control of cutting amps and air pressure
 - Error messaging from Hypertherm plasma unit is now displayed on Swift-Cut control screen
 - Various cutting speeds can be applied to the same profile to improve cut quality.
-
- Ability to cut metal up to a thickness of 1" (25mm) depending on the Hypertherm Powermax unit selected
 - Magnetic breakaway head eliminates damage to torch and improves machine safety
 - Proximity sensing for reliable and robust switching.
 - Auto adjusting x-axis linear v rollers.

Options

- Swift-Trace camera for importing hand drawn images and converting to a DXF file
- Swift-Marker unit – integrated pneumatic marker. Automatically marks text, fold lines and centre marks

Freestanding Operator's Console

- Built in PC and 18.5" flat panel LCD monitor
- Wireless keyboard and mouse for ease of use
- Dual core CPU Intel i3 processor
- 500 GB hard drive
- 4 GB ram
- Industrial standard steel console
- Easy access for maintenance
- E-stop safety button
- External USB and network port for transfer of file and team viewer link to Swift-Cut Software

Software

- Solid Edge 2D; CAD programme
- Swift-Cam 1 CAD/CAM programme (features include conversion of any DXF file to Swift-Cut machine code and the manual nesting of parts, generic shapes, preloaded cut tools, consumable recognition photos)
- Swift-Cut CNC control system software
- Windows 7 operating system
- Team Viewer for "anywhere" on-line support

Upgrades

Swift-CAM 2
All of Swift-CAM 1 plus Auto-Nesting software with 1 click plate utilisation

Swift-CAM 3
All of Swift-CAM 1 & 2 plus cutting path check auto correction, 3D simulator and a cycle time calculator

HVAC
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Plate Management
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Bed Options

Down Draft

- Zoned downdraft bed for efficient fume extraction
- Easy to remove dross trays for removing scrap metal quickly
- Lift out cutting deck

Water Table

- Water tray for efficient control of sparks and fumes
- Removable stainless steel splash guards for side rail protection
- Large drain and tap for quick and easy emptying

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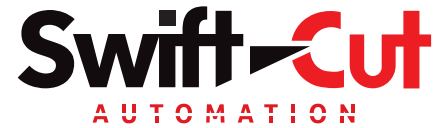


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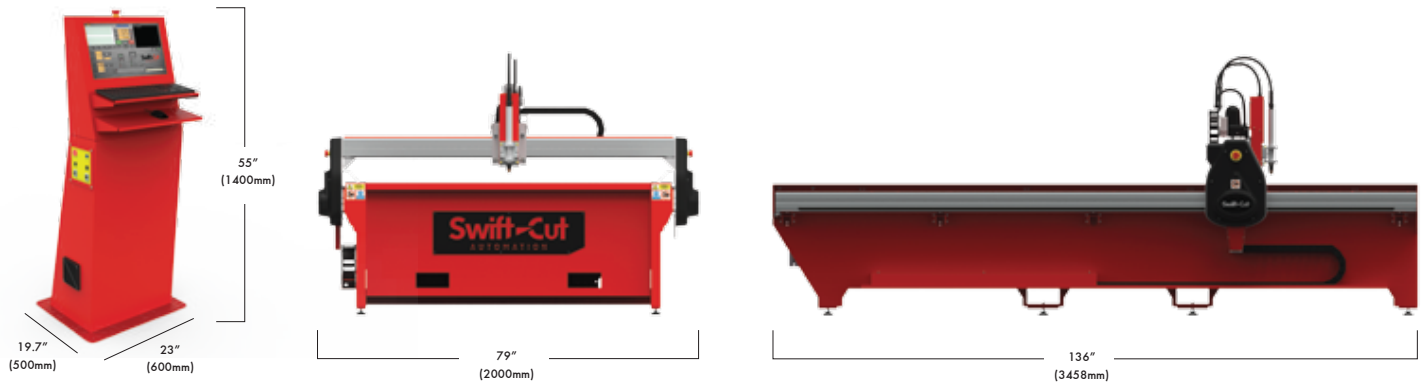
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Technical Specification



Size / footprint

Due to its plug & play design, the space required for installation of this machine is minimal. Our machine will comfortably fit in an area of 137.8" x 196.8" (3500mm x 5000mm) area including power source.



Extraction systems






Van Dijk – Highcube

Donaldson – DFPRO 4

Weight

2204lb

Hypertherm plasma source options

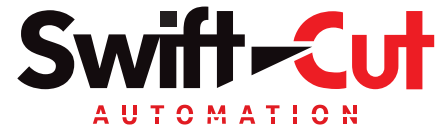
	 Powermax 45XP <small>single phase</small>			 Powermax 65			 Powermax 85			 Powermax 105			 Powermax 125		
Material	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*
Max Pierce	1/2	1/2	3/8	1/2	5/8	1/2	5/8	3/4	5/8	3/4	7/8	3/4	3/4	1	1
Max Edge Start	7/8	1	3/4	3/4	1	3/4	1	1 - 1/4	1	1 - 1/4	1 - 1/2	1 - 1/4	1 - 1/2	1 - 1/2	1 - 1/2

Please note:

Table area above includes table, plasma source and console, it does not include the extraction system and applies only for the DownDraft option, the Water table option is an inch longer and wider.

*Plasma cutting of Aluminum will form hydrogen gases in the water table. Proper ventilation, and safety precautions are the sole responsibility of the user. Swift-Cut Automation USA Inc assumes no liability. Please refer to the appropriate Hypertherm safety manual for the plasma source you have selected.

Technical Specification



Swift-Cut PRO 510 XP

Introducing the newest table in our collection, the PRO 510-XP is cutting edge in its design and more durable than ever. The 510-XP is designed with production cutting in mind, now available to work in conjunction with the Hypertherm MAX PRO 200. The new drives offer 400w AC servo motors across X+Y axis for improved accuracy.

The liquid cooled mechanized torch is mounted to a redesigned heavier duty gantry to provide a sturdy platform for high amperage cutting, this allows for a pierce capacity up to 1 1/4 (32mm) and improved cut speeds, with mixed gas cutting available on all plasma options. Add to that the opportunity to utilise the water mist technology, which will not only give you a precise cut but is the optimum technology for working with stainless steel and Aluminum, and the PRO 510-XP really is all its cut out to be.



Features above standard range

- Ability to support 200amp plasma cutting
1 1/4 (32mm) pierce capacity
- Mixed gas cutting capability for improved edge finish and hole definition
- Increased consumable life
- Quicker cut speeds compared with the Hypertherm Powermax range
- Designed to perform in a production environment.

Freestanding Operator's Console

- Built in PC and 18.5" flat panel LCD monitor
- Wireless keyboard and mouse for ease of use
- Quad core cpu Intel i3 processor
- 500 GB hard drive
- 4 GB ram
- Industrial standard steel console
- Easy access for maintenance
- E-stop safety button
- External USB and network port for transfer of file and team viewer link to Swift-Cut

Software

- Solid Edge 2D; CAD program
- Swift-Cam 3 CAD/CAM program features include:
 - Conversion of any DXF file to Swift-Cut machine code
 - Automatic part nesting
 - Automatic allocation of cut technologies
 - Parametric shapes
 - Preloaded cut tools, consumable recognition photos
 - 3D simulation of nested parts
- Swift-Cut CNC control system software.
- Windows 7 operating system
- Team Viewer for "anywhere" on-line support

Bed Options (Down Draft)

- Zoned downdraft bed for efficient fume extraction.
- Easy to remove dross trays for removing scrap metal quickly.
- Lift out cutting deck.

Table Spec

- Cutting area able to take sheet size 5' x 10' (1500mm x 3000mm)
- Dropped rails for ease of loading
- Gantry parking to allow full sheet to be loaded overhead
- Compact robust steel frame design
- Section downdraft table
- Heavy duty gantry and head to suit high performance plasma source for increased cut performance and easy maintenance
- Linear guide rails
- 400w AC Servo motors with encoder feedback
- Planetary gearbox
- Dual drive Y axis
- Helical rack and pinion drives system.
- Rapid speeds of 708"/min (18,000mm/min)
- Digital Torch-Height Control (DTHC)
- Magnetic breakaway head eliminates damage to torch and improves machine safety.
- Proximity sensing for reliable and robust switching.
- Ball Screw z axis for precise torch height control

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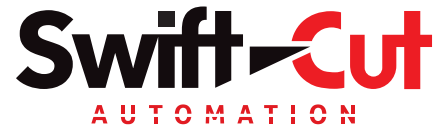


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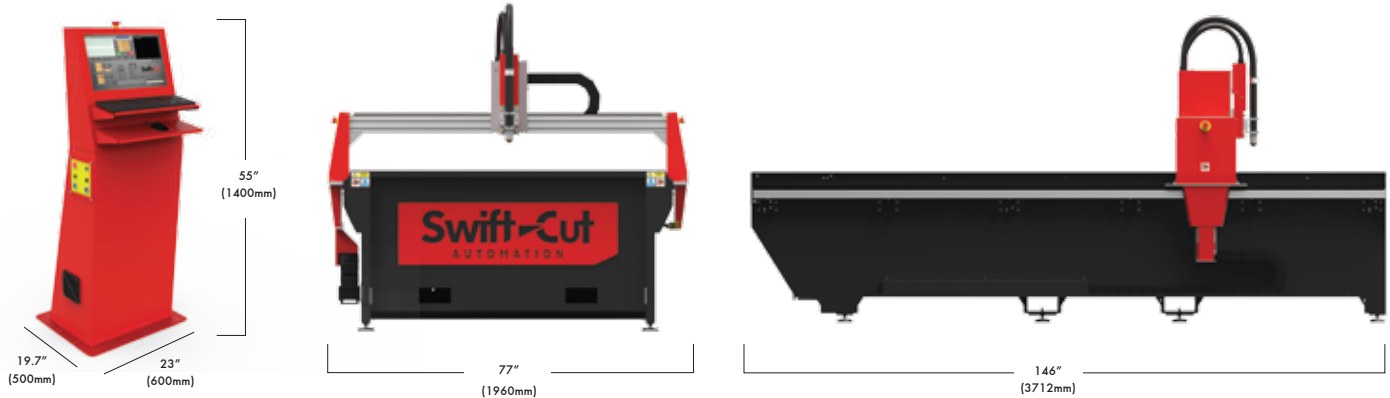
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Technical Specification



Size / footprint

Due to its plug & play design, the space required for installation of this machine is minimal. Our machine will comfortably fit in an area of 18' x 9' (5500mm x 2800mm) area including power source.



Extraction systems

Van Dijk – Highcube

Donaldson – DFPRO 4

Weight

3307lb

Plasma source Options



Max Pro 200

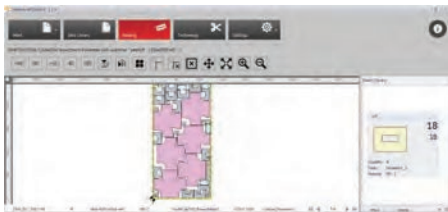
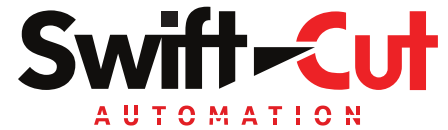
				O2 / Air			N2 / N2		
Material	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*	Stainless Steel	Mild Steel	Aluminum*
Max Pierce	1	1 - 1/4	1 - 1/4	-	1 - 1/4	-	1	-	7/8
Max Edge Start	2	2	1 - 1/2	-	2	-	1 - 1/2	-	1 - 1/2

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www.swift-cut.us

CNC Software solutions



Software solutions for programming plasma cutting machines

The SwiftCAM is a CAD / CAM application software allowing the user an ease of use for any of our Swift-Cut plasma cutting tables. The software guides the user to production through a simple path, minimising the time the user would normally allow for the programme preparation.

SwiftCAM allows the user to verify any recently created production cycle via 3D simulation in a realistic environment to test its functionality. Available in three versions this state of the art software allows you to import and auto nest parts in an easy to learn, highly versatile package.

From entry level SwiftCAM 1 to the complete configuration of SwiftCAM in the SwiftCAM 3, this software is available to install on any Swift Cut plasma cutting table.

User friendly - SwiftCAM is an extremely easy-to-learn product and has been developed by our Engineers to target a Zero Training requirement.

OneClick - SwiftCAM guides the user to production through a simple path and minimizes the time dedicated to programme preparation. By passing to the next page, user quickly gets to machine programming.

Realistic simulation - In the complete version, SwiftCAM allows you to verify the recently created production cycle in a realistic environment to test its functionality.

Parametric shapes - A wide number of parametric shapes commonly used in the sheet metal production is made available in parametric mode in order to speed up drawing for the parts to be manufactured.

SwiftCAM 1

This is the entry-level configuration of SwiftCAM.

This environment allows you to import DXF/DWG files, to place them one by one on a single plate and to duplicate them according to a matrix pattern, in order to reduce scrap.

SwiftCAM 2

This versions includes all functions described for version 1, but additionally it allows you to create a list of parts to be cut and matched with respective quantities.

An automatic nesting will position the parts on a plate of the selected format in order to reduce scrap.

SwiftCAM 3

This is the complete configuration of SwiftCAM, offering automatic nesting and automatic calculation of the cutting path.

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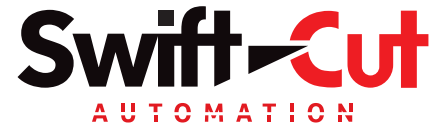


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CNC Plasma cutting table options



We're hugely proud of our team of innovative engineers who strive to ensure Swift-Cut are market leaders in the field of plasma cutting. They constantly innovate and create to develop progressive technologies and revolutionise the world of plasma cutting by inventing cutting edge optional extras and add-ons.

Swift-Cut SwiftMARK

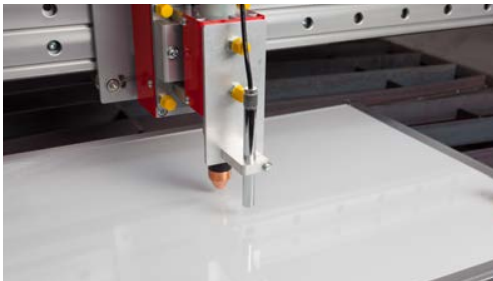


Swift Mark

The automated SwiftMark application allows you to mark and cut in one operation. Ideal for structural steel marking, with an auto lubricating system, premium quality pneumatic control system and only requiring compressed air, SwiftMark saves you time and puts an end to out sourcing.

With its hardened pneumatic marker, allowing the user to mark centre marks, part numbers, fold lines, elaborate text and decorative images plus an adjustable downward pressure meaning its suitable on hard and soft materials, SwiftMark is the optional extra that will swiftly become as imperative as the table itself.

Swift-Cut SwiftTRACE

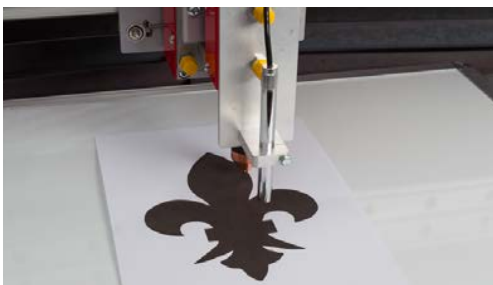


Swift Trace

The Swift-Cut Swift-Trace system allows the user to go from line drawing to design in four simple steps. Quite simply, the magnetic camera mount fits to the cutting head and scans the image which is then saved as a DFX file.

This file is then imported to Sheetcam and processed (it can be nested if required) and the cutting head replicates the traced image.

For more information visit our website and see these options in action.
www.swift-cut.us



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Swift-Cut PRO 510 XP

Introducing the newest table in our collection, the Swift-Cut PRO-510 XP is cutting edge in its design and more durable than ever.

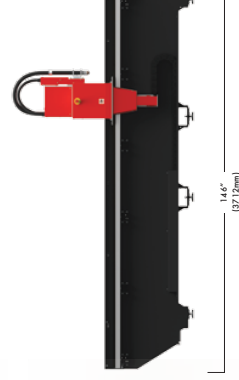
The new PRO-510 XP is designed with production cutting in mind up to 1 1/4 (32mm), now available to work in conjunction with the Hypertherm MAX PRO 200. The new 400 watt AC servo drives provide improved accuracy.



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

Compact footprint

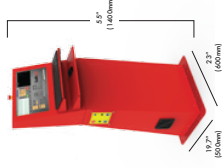
Due to its plug & play design, the space required for installation of this machine is minimal. Our machine will comfortably fit in an area of 216.5" x 110.2" (5.5m x 2.8m), area including power source.



146" (3712mm)

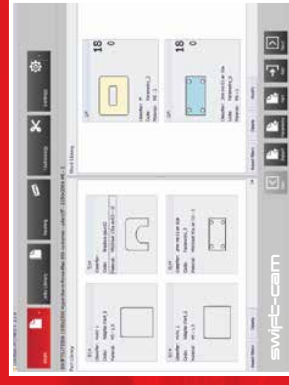


77" (1950mm)



197" (5000mm)

THE SOFTWARE



SwiftCAM 3

With the SwiftCAM 3 software which comes as standard with the PRO-510 XP table you get auto lead in, auto nest facilities as well as 2D cutting simulations.

SwiftCut'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.

www.swift-cut.us

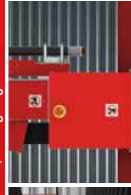
FEATURES

We've developed some innovative, cutting edge features and optional extras that make Swift-Cut market leaders in the field of plasma cutting.



Breakaway head

Avoid unwanted downtime with our breakaway head technology. Designed to quickly shut down the machine in the unlikely event of the torch crashing. This great feature minimises potential damage to the machine.



Safety Features

Health and safety of operators and those in the immediate vicinity must be paramount. All our UK engineered machines are CE marked.



Freestanding Operator's Console

The freestanding operator's console comes as standard with every machine, enabling you to operate at a distance if required. Home to our CNC control system it also includes a built in PC with 18.5" flat panel LCD monitor, a wireless keyboard and mouse, plus an E-stop safety button and easy access for maintenance.



Protection & Durability

Our PRO 3000 XP table comes as standard with enclosed power track meaning all cables have an extra level of protection from flying debris and molten metal particles meaning increased reliability for our customers.



Accuracy & Performance

Linear rail offers the machine a stable and smooth performance while the helical rack and gearing improves accuracy and reduces backlash in our drive system. 400W AC servos increases acceleration rates meaning good control and higher standard of cutting performance.



Extraction

The zoned downdraft table option captures fumes and particles from beneath the cutting area.



SwiftTrace

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

OPTION

OFFICIAL SWIFT-CUT DISTRIBUTOR



OLD VALUES...NEW IDEAS
WELDSTAR.com

Swift-Cut **PRO SERIES**

The Swift-Cut Pro Series - a collection of three cutting edge design CNC plasma cutting tables. With easy to use software, the Swift-Cut Pro series promises high speed precision cutting at a low cost investment. Easy to use, simple to learn and operate with exceptional service and support, the Swift-Cut Pro Series is the answer to affordable metal cutting.



PRO 4/4
Cutting area 4' x 4' (1250mm x 1250mm)



PRO 4/8
Cutting area 4' x 8' (1250mm x 2500mm)



PRO 5/10
Cutting area 5' x 10' (1500mm x 3000mm)

THE SOFTWARE



SwiftCAM

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FEATURES

We've developed some innovative, cutting edge features and options that make Swift-Cut market leaders in the field of plasma cutting.



Breakaway head

Avoid unwanted downtime with our breakaway head technology. Designed to quickly shut down the machine in the unlikely event of the torch crashing. This great feature minimises potential damage to the machine.



Safety Features

Health and safety of operators and those in the immediate vicinity must be paramount. All our UK engineered machines are CE marked, Perspex machine enclosures, offering protection from sparks and metal particles to those in the surrounding area are also available.



Freestanding Operator's Console

The freestanding operators console comes as standard with every machine, enabling you to operate at a distance if required. Home to our CNC control system it also includes a built in PC with 18.5" flat panel LCD monitor, a wireless keyboard and mouse, plus an E-stop safety button and easy access for maintenance.



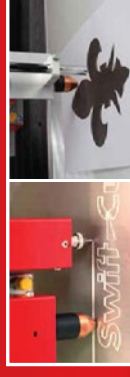
Protection & Durability

We aim to exceed all the necessary health and safety requirements. Our machines have all been fitted with cable covers to remove the fear of a member of staff tripping over any loose wires. Forklift holes in the base make moving the table easy, meaning that you can move the machine around if required.



Extraction

The water table 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.



SwiftMark

Engraving tool
SwiftMark is an optional head that allows you to mark and cut in one operation, meaning no more outsourcing or moving your project from one machine to another.

SwiftTrace

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

OFFICIAL SWIFT-CUT DISTRIBUTOR



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