

CO2 Lasers

CNC Routers

Fibre Lasers

Fibre Markers

Press Brakes

Guillotines

CNC Plasma

Hydraulic Folders

Digital Cutting Tables

Product Catalogue

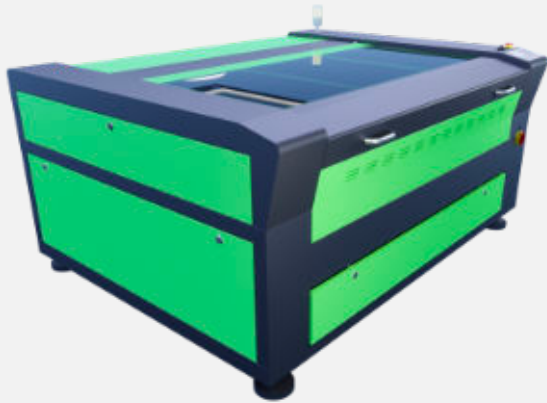


Desktop



General Specification	500 x 300 mm bed size
Bed type	Honeycomb
Laser tube	RECI 80W laser tube
Motorised Z (up/down)	Yes
Water chiller	Genuine S&A chillers
Air assist	Yes
Rotary device	Supplied
Safety glasses	Yes
Extraction system	Yes - standard (upgrades to Purex or BOFA available)
Software package	Lightburn
Camera support	Yes - Upgrade

Pro Range



General Specification	Range of bed sizes
Bed type	Honeycomb & low contact blades
Laser tube	RECI 80W laser tube (120W upgrade available)
Motorised Z (up/down)	Yes
Water chiller	Genuine S&A chillers
Air assist	Yes
Rotary device	Supplied
Safety glasses	Yes
Extraction system	Yes - standard (upgrades to Purex or BOFA available)
Software package	Lightburn
Camera support	Yes - Upgrade
Bed sizes available	400 x 600 mm, 600 x 900 mm, 1300 x 900 mm

MCUT - Multi Material Cutting (Inc Thin Metal)



General Specification	1300 x 900 bed size
Bed type	Low contact blades
Laser tube	RECI 150W laser tube
Motorised Z (up/down)	Yes
Water chiller	Genuine S&A chillers
Air assist	Yes
Red dot pointer	Yes
Capacitance sensor	Used for metal cutting only
Safety glasses	Yes
Extraction system	Yes - standard (upgrades to Purex or BOFA available)
Software package	Lightburn
Camera support	No
Extra requirements	You need a source of oxygen to utilise the metal cutting facility. The purchase of a filtration system is also required (must have a spark arrest module - please ask for details)

Large Format



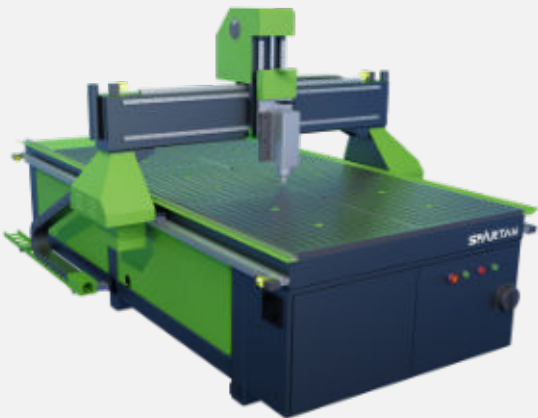
General Specification	Range of bed sizes available
Bed type	Low contact blade surface
Laser tube	RECI laser tube - 150W as standard
Enclosure	Yes- your LF series comes with a full enclosure to improve extraction and protect personnel
Motorised Z (up/down)	No
Zoned extraction modules	Yes - zoned extraction for better vapour removal
Water chiller	Genuine S&A chillers
Air assist	Yes
Rotary device	Supplied
Safety glasses	Yes
Extraction system	Yes - standard (upgrades to Purex or BOFA available)
Software package	Lightburn
Camera support	No
Bed sizes	1300 x 2500 mm, 1500 x 2500 mm, 2000 x 3000 mm

Full range of CO2 Laser Cutters.

Introducing our comprehensive range of CO2 Laser Cutters, engineered to meet diverse cutting and engraving needs across various industries. From compact desktop models perfect for small-scale operations and educational settings, to free-standing professional systems designed for businesses requiring high-throughput solutions, our selection offers unmatched versatility and precision. For those in need of large-scale, industrial capabilities, our large format CO2 Laser Cutters are crafted to handle even the most demanding applications with ease. Built with advanced technology and robust materials, all of our models guarantee exceptional performance, reliability, and ease-of-use, ensuring that you can tackle any project with confidence.

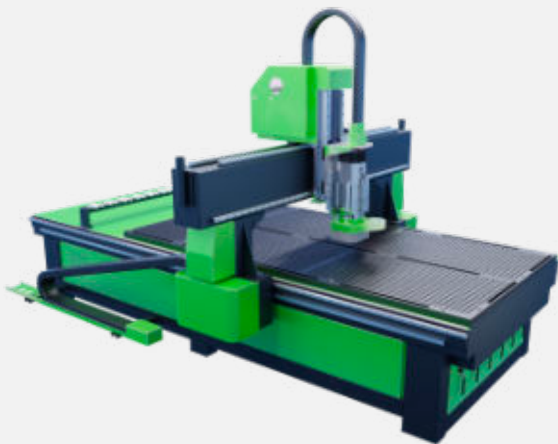
Perfect for a wide range of industries and such as makers, education, fabrication, sign making, model making, shop fitting and much more.

Spartan CNC



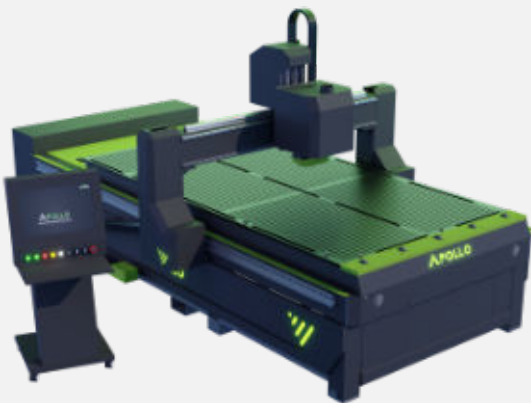
General Specification	1313 / 1325 / 1530 / 2030
Spindle systems	2.2kW (water chilled) to 6kW (air cooled)
Mechanical drive	6090 (Ball screw XYZ), 1313 and above (Ball screw Z, helical rack & pinion on XY)
Drive system	High performance stepper drives
Control system	NK105 control with pendant
Vacuum bed	Yes matrix table with T-slot (6090 matrix only)
Vacuum system	Yes
Extraction	Yes (optional fine dust filter available)
Software package	Vectric V Carve Pro

Falcon ATC



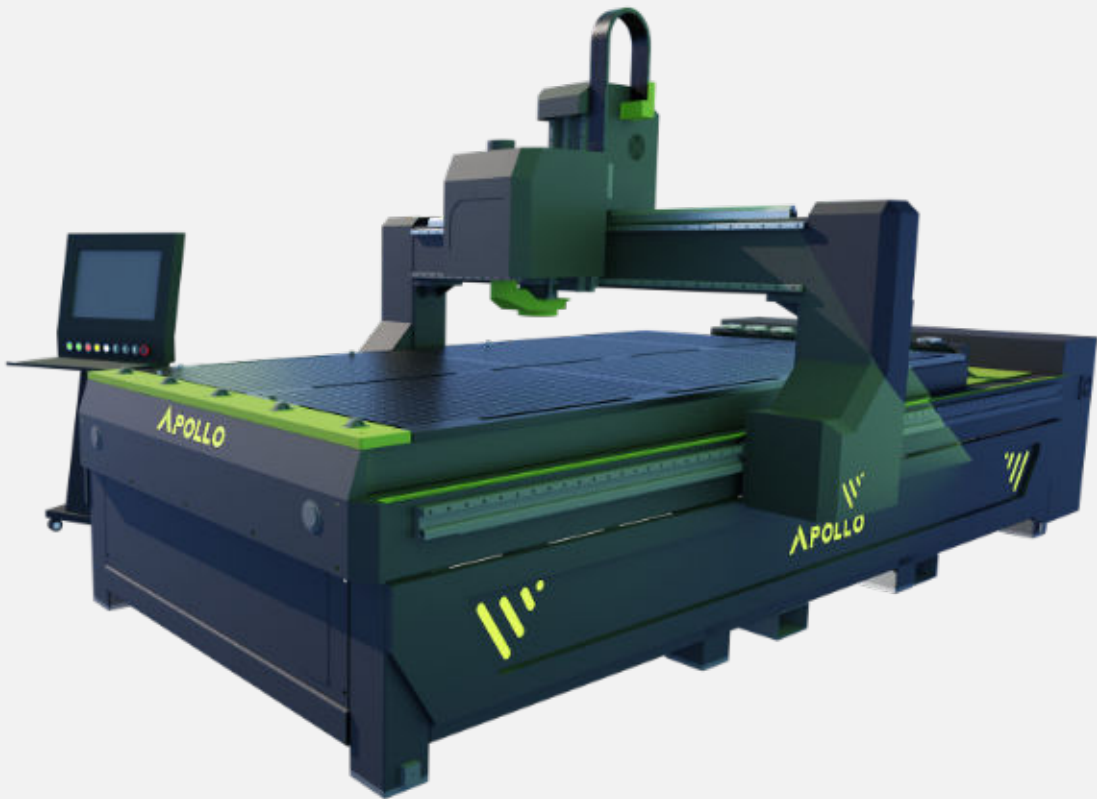
General Specification	1313 / 1325 / 1530 / 2030/ 2040
Spindle systems	9.0kW (air cooled) ER32 auto tool change system
Mechanical drive	Ball screw Z, helical rack & pinion on XY
Drive system	High performance Delta servo drives
Control system	NK105 control with pendant
Vacuum bed	Yes matrix table with T-slot (6090 matrix only)
Vacuum system	Yes
Extraction	Yes (optional fine dust filter available)
Software package	Vectric V Carve Pro

Apollo M



General Specification	1313 / 1325 / 1530 / 2030/ 2040
Spindle systems	7.5kW (air cooled) ER32 manual tool change system
Mechanical drive	Ball screw Z, helical rack & pinion on XY
Drive system	High performance Delta servo drives
Control system	M-TECH in-house developed motion control that includes touch controlled PC based operation and wireless pendant and podium.
Material positioning stops/ guides	Pneumatic pop-up end stops for material location
Vacuum system	Yes - Multi zoned matrix bed with touch operated activation controls, including pump system/filter
Extraction	Yes (optional fine dust filter available)
Software package	Vectric V Carve Pro and the M-TECH Controller

Apollo ATC

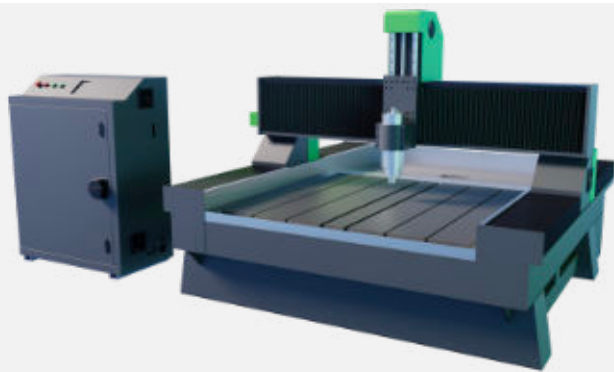


General Specification	1313 / 1325 / 1530 / 2030/ 2040
Spindle systems	9.0kW (air cooled) ER32 Auto tool change system
Mechanical drive	Ball screw Z, helical rack & pinion on XY
Drive system	High performance Delta servo drives
Control system	M-TECH in-house developed motion control that includes touch controlled PC based operation and wireless pendant and podium.
Material positioning stops/guides	Pneumatic pop-up end stops for material location
Vacuum system	Yes - Multi zoned matrix bed with touch operated activation controls, including pump system/filter
Extraction	Yes (optional fine dust filter available)
Software package	Vectric V Carve Pro and the M-TECH Controller

Impressive range of industrial CNC Routers.

We are proud to present our versatile range of CNC Routers, encompassing the Spartan, Falcon, and Apollo brands, each tailored to serve distinct operational needs. The Spartan series is your entry-level solution, designed for newcomers and small businesses in need of reliable yet cost-effective CNC routing. Our Falcon brand takes the experience a step further, offering enhanced features and capabilities suitable for growing businesses seeking to scale their operations. For those who demand nothing but the best, the Apollo series delivers top-of-the-line performance, with a focus on high-speed processing and advanced material handling capabilities. Each brand within our CNC Router range is built to the highest quality standards, ensuring durability, reliability, and precise operation. Whether you're just starting out or are in need of an industrial-grade solution, our CNC Routers are designed to exceed your expectations.

Stonetech CNC



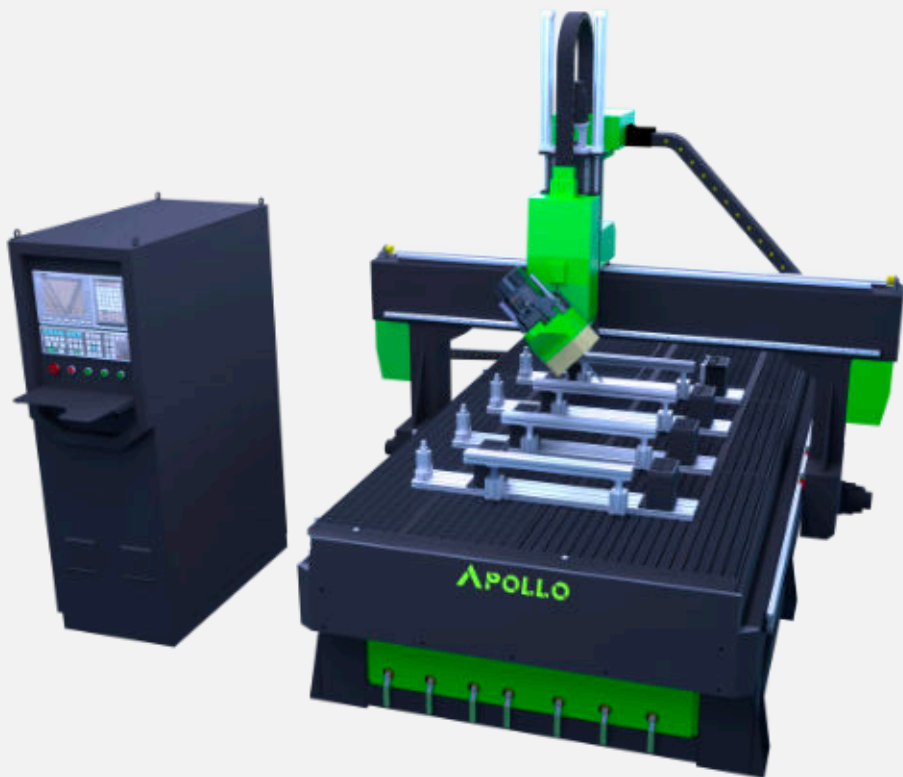
General Specification	1313 / 1325 / 1530
Spindle systems	6.0kW water cooled heavy duty spindle – with chiller
Mechanical drive	Helical rack and pinion on XY with reciprocating ball screw on Z
Drive system	Rapid hybrid drive system
Control system	NK105 control with pendant (USB interface)
Tool cooling	Integrated water cooling system for tooling
Cutting bed type	T-slot clamping only
Software package	Vectric V Carve Pro

Dual Bed Pendulum CNC



General Specification	Twin 1325 bed system
Spindle systems	9.0kW (air cooled) ER32 with dynamic under bridge auto tool change system
Mechanical drive	Ball screw Z, helical rack & pinion on XY
Material positioning stops/guides	Pneumatic pop-up end stops for material location
Drive system	Rapid hybrid drive system
Control system	Syntec multi axis control with wireless MPG control
Vacuum bed	Yes matrix table – twin bed system
Vacuum system	Yes
Extraction	Yes (optional fine dust filter available)
Software package	Vectric V Carve Pro

Apollo ATC - 4 Axis



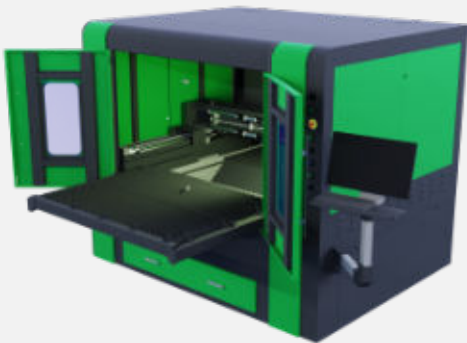
General Specification	1313 / 1325 / 1530 / 2030/ 2040
Spindle systems	9.0kW (air cooled) ER32 Auto tool change system up to 24,000rpm with 8 tool change positions
Mechanical drive	Ball screw Z, helical rack & pinion on XY
Drive system	High performance Yaskawa servo drives
Control system	Syntec 4 Axis auto tool change CNC motion control
Pod system	Pod and rail vacuum system included for 4 axis operations
Material positioning stops/guides	Pneumatic pop-up end stops for material location
Vacuum system	Yes – Multi zoned matrix bed including pump system/filter
Extraction	Yes (optional fine dust filter available)
Software package	Vectric V Carve Pro and the M-TECH Controller

Specialist range of CNC Routers for industrial applications.

Introducing our Specialist CNC Router Range, designed to address unique and specialised routing needs across a broad spectrum of industries. Our Stone CNC Router is specifically engineered for the intricacies of stone carving and engraving, providing unparalleled precision and durability in challenging materials such as granite, marble, and limestone. For businesses seeking to maximise productivity without sacrificing accuracy, our Dual Bed Pendulum CNC Router features an innovative dual-bed design that allows for continuous operation; while one bed is in action, the other can be loaded or unloaded, effectively doubling your output. Lastly, the Apollo 4 Axis CNC Router stands as the pinnacle of our range, offering advanced 4-axis capabilities for complex and multi-dimensional applications.

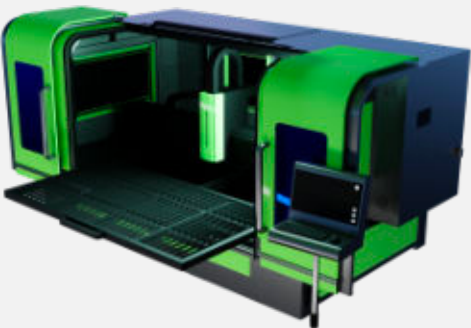
This series is equipped with cutting-edge technology to enable intricate carving, shaping, and milling operations with unparalleled precision. Each model in our Specialist CNC Router Range is constructed with high-grade materials and state-of-the-art technology to ensure consistent, high-quality results in every application.

Titan T1



General Specification	Bed size 1300 x 900 mm
Full safety enclosure	Yes – included to protect operators and staff from any stray beams and to aid in the safe extraction of fumes
Laser source options	1kW 1.5kW 2kW
Cutting head	Raytools – Autofocus
Servo motors	Yes – Yaskawa
Drive system	Double Y axis ball screw
Water Chiller	Yes – S&A CWFL Series
Extraction	We recommend our Cyclone Extraction unit. Ask for details.
Software package	Cypcut laser cutting control

Titan T2/T2 Plus



General Specification	T2 (1260x2510 mm) T2 Plus (1500 x 3000 mm)
Full safety enclosure	Yes – included to protect operators and staff from any stray beams and to aid in the safe extraction of fumes
Laser source options	1 – 4 kW source options
CNC Control	Cypcut with full touch screen operation
Servo motors	Yes – Yaskawa
Cutting head	Raytools – Autofocus
Servo motors	Yes – Yaskawa
Water Chiller	Yes – S&A CWFL Series
Extraction	We recommend our Cyclone Extraction unit. Ask for details.
Software package	Cypcut laser cutting control

Titan T3 (including T4/6/8)



General Specification	Bed sizes (mm): 1500 x 3000, 2000 x 4000, 2000 x 6000, 2000 x 8000
Full safety enclosure	Yes – included to protect operators and staff from any stray beams and to aid in the safe extraction of fumes
Laser source options	1 – 12 kW source options
CNC Control	Cypcut
Shuttle exchange table	For maximum productivity
Servo motors	Yes – Yaskawa
Cutting head	Raytools – Autofocus
Water Chiller	Yes – S&A CWFL Series
Extraction	We recommend our Cyclone Extraction unit. Ask for details.
Software package	Cypcut laser cutting control

Titan Combination Laser



General Specification	Bed sizes: 1500 X 3000 or 2000 x 4000 mm
Full safety enclosure	Yes – included to protect operators and staff from any stray beams and to aid in the safe extraction of fumes
Laser source options	1 – 4 kW source options
Rotary indexer	Yes – up to 3000 mm in length
CNC Control	Cypcut
Shuttle exchange table	For maximum productivity
Servo motors	Yes – Yaskawa
Cutting head	Raytools – Autofocus
Water Chiller	Yes – S&A CWFL Series
Extraction	We recommend our Cyclone Extraction unit. Ask for details.
Software package	Cypcut laser cutting control

Titan Tube Laser



General Specification	6 or 8m Length Systems
Laser source options	1.5 – 3kW power source options
Cutting head	Raytools – autofocus
CNC Control	Cypcut
Servo motors	Yes – Yaskawa
Water Chiller	Yes – S&A CWFL Series
Vacuum system	Yes
Extraction	Yes (optional fine dust filter available)
Software package	TubePro laser Cutting (includes TubesT nesting software)
Safety	Light guards and safety fencing

Accurate, powerful industrial metal cutting lasers.

We are excited to showcase our Titan Fibre Laser Cutter Range, a line of machines specifically developed to meet varying needs from prototyping to high-volume production. Starting with our compact Titan T1, this model is ideally suited for smaller workshops and educational institutions, providing a cost-effective yet high-quality introduction to laser cutting. For those requiring more advanced features and higher cutting powers, our Titan T2 range offers a suite of impressive options that deliver exceptional performance and efficiency.

Businesses with higher production requirements will find the Titan T3 (available in 4/6/8 kW configurations) to be a game-changer, engineered for optimal throughput without sacrificing precision. For specialised applications, we also offer a range of dedicated systems for tube cutting, as well as combination fibre lasers capable of handling both flat plate and tube materials. Each machine in our Titan Fibre Laser Cutter Range is built to industry-leading specifications, ensuring you achieve unparalleled accuracy, durability, and productivity in every project.

Fibre Engraving

Fibre Laser Engraving Systems

Press Brakes

Sheet Metal Bending Solutions

FM30/50



General Specification	
Power options	30 or 50W
Laser type	Galvo
Motorised Z	Yes
Theta lens included	100 and 200 mm
Max marking speed	7000 mm/s
Marking line width	0.01-0.1mm
Frequency	20-80khz
Foot pedal operation	Included
Rotary unit	Included
Software package	Laptop included with EZCAD

XL



General Specification	
Power options	30W, 50W, 100W
Laser type	Galvo
Motorised Z	Yes
Theta lens choice	100 mm (standard), 150 mm, 175 mm, 200 mm, 300 mm
Max marking speed	7000 mm/s
Marking line width	0.01-0.1mm
Frequency	20-80khz
Air cooled system	Yes
Foot pedal operation	Included
Software package	Laptop included with EZCAD

Dynamic 3D



General Specification	
Power options	30W, 50W, 100W
Laser type	Feeltek 3D Galvo
Motorised Z	Yes
Theta lens choice	112 mm (standard), 234 mm
Max marking speed	7000 mm/s
Max marking depth	0.01-2mm
Marking line width	0.01-0.1mm
Frequency	20-80khz
Air cooled system	Yes
Foot pedal operation	Included
Software package	Laptop included Software

Fast metal and hard plastic engraving.

Starting with our Standard units, these systems offer reliable and precise engraving solutions for everyday applications. For those in need of larger workspaces, our XL units provide an extended area without compromising on accuracy or quality.

Taking engraving to the next dimension, our specialised 3D units allow for intricate engraving on uneven or complex surfaces. Each model within this range is built with top-tier components, ensuring durability, efficiency, and unparalleled engraving quality.



Premium Press Brakes

General Specification	Full range of capacities available
Construction	Steel welded mono-block, ensuring minimum deflection under load
Mechanical CAMS	For setting the upper position and work speed change point
Control System	Delem DA-4IT touch operated control
Motorised ram stroke	Yes
Adjustable Tooling	Gooseneck top tool and multi-V bottom tool
Motorised back gauge	Yes - including 2 off tiltable finger stops
Depth stops	Yes - motorised
Dwell time adjustment	Yes
Front support arms	Yes - 2 off front sheet support arms with tilting stops
Foot pedal control	Yes
Service kit	Included

Affordable, easy to operate Press Brakes.

Our Premium Press Brakes also have their control panel conveniently placed on the right-hand side of the unit in immediate reach of the operator. It also comes with the following:

Key switch on-off, Delem DA-4IT touch CNC Control for depth axis (angle programming), back gauge control, and hydraulics Rexroth/Hoerbiger valve system. Save up to 100 programs and up to 25 bends per program with the Delem DA-4I control. Control beam stop, back gauge, input angle and tool programming, retract all from the Delem DA-4I control system.

ManTech's range of Press Brakes comes in sizes from 1.5 m up to 5 m with weights of 40T to 400T.

Guillotines

Choose Mechanical or Hydraulic

Mechanical



General Specification	
Size options (mm)	1270 2000 2550 3050
Squaring arm	Yes – 1000 mm with rule and flip up stops
Support arms	Yes – 1000 mm
Side fences	With opto-electrical guards
Control	E2IS with programmable steps, stock counter, one side positioning and retract facility
Foot switch	Yes – electric
Other	Opto-electrical rear guards

Hydraulic



General Specification	
Size options	2000 x 4 or 6 mm 2500 x 6, 8, 10 or 12 mm 2550 x 3.2 mm 3050 x 3.2 mm
Finger guard	Yes – tiltable
Blade clearance adjustment	Yes – rapid adjustment via a single handle on the side frame
Cutting angle	Fixed
Side and top fence guarding	Opto-electrical
Hydraulic and electrical overload protection	Yes
Control	E2IS programmable control with multi steps. Save up to 40 programs and 25 steps per programme, one key backup/restore. Holing, decompression time settings, stock counter, one side positioning retract facility
Foot switch	Yes

A workshop staple, available in either mechanical or hydraulic options.

Introducing our cost-effective range of Mechanical and Hydraulic Guillotines, designed to provide robust and reliable metal cutting solutions. Engineered with durability in mind, these systems come with easy-to-operate controls that ensure straightforward operation.

Whether you opt for the mechanical or hydraulic variants, you can expect a well-built machine that offers reliable performance for all your metal cutting needs. With affordability at the forefront, these guillotines provide an excellent balance of cost and capability, making them an ideal choice for businesses seeking efficient and dependable options.

CNC Plasma Tables & Hydraulic Folders

Heavy Duty Tables

PHANTOM

Phantom CNC Plasma Cutting Tables



General Specification	Full range of capacities available
Bed sizes (mm)	1400 x 1400 1400 x 2600 1600 x 3100 2000 x 3000 2000 x 4000
Mechanical drives	Rack & pinion XY, dual drive Y axis, reciprocating ball screw Z
Control System	M-TECH CNC motion control with USB interface, G-code command and PC podium
Drive system	Closed loop hybrid drivers
Torch control	THC: Microstep digital torch height control/high speed arc voltage control
Software	Cut2D includes CAD/CAM package to import DWG, DXF, PDF and component nesting for material optimisation
Torch Options (Hypertherm)	
Hypertherm Powermax 45 amp	Single phase 220–240v
Hypertherm Powermax Sync 65 amp	3-phase 415v
Hypertherm Powermax Sync 85 amp	3-phase 415v
Hypertherm Powermax Sync 105 amp	3-phase 415v
Hypertherm Powermax Sync 125 amp	3-phase 415v

Compatible with a wide range of cutting torches such as Hypertherm.

Whether you're a small business looking for a versatile machine or an industrial operation with high-volume needs, our CNC Plasma Cutters are configured to meet your specific requirements, ensuring a seamless integration into your workflow. With our CNC Plasma Cutters, you'll achieve unparalleled speed, accuracy, and reliability, streamlining your operations for maximum productivity.

Hydraulic Box & Pan Folders



General Specification	Operating capacities of 4 mm
Size options (mm)	1270 2060 2550 3050
Clamping beam	Hydraulic
Folding beam	Hydraulic
Side fences	With opto-electrical guards
Backstop	Simple push-pull backstop with a 500 mm stroke
Beam operation	Via switch/foot pedal
Segmented top tooling	Yes

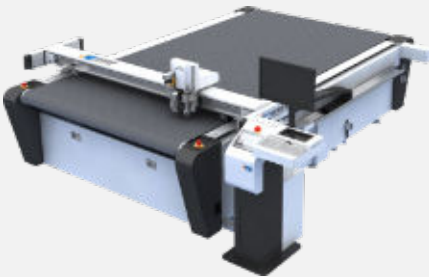
Easy to use hydraulic folding systems.

Reliable and easy to use hydraulic folding machinery – ideal for box and pan folding. A good cost effective alternative to a press brake.

Digital Cutting Tables

High Speed Cutting

DCT range



Models		
BK03II	CB03	CB08
Static bed with a single tool thats functional, high speed and affordable	Bigger brother to the BK series and complete with an auto feed bed	Higher capacities for larger production runs.

General Specification	BK03II range
Multi function tool head	Oscillating cutting knife/kiss cut/LED cursor location
Safety system	Infrared sensors to prevent unsafe operation
Moving speed	Up to 1200 mm/sec
Cutting speed	Up to 800 mm/sec
Cutting thickness	Up to 22 mm (material dependant)
Cutting table type	Static bed
Vacuum bed	Yes
Repeat accuracy	≤0.01mm
Buffer memory	2Gb
Transmission system	Digital servo, straight rail synchronous belt
Command system	HP-GL compatible format
Size options	1800 x 1600 (BK03II-1816), 2500 x 1600 (BK03II-2516RM)
General Specification	CB03II range
Multi function tool head	Oscillating cutting knife/kiss cut/LED cursor location/creasing wheel/camera recognition (optional)/router engraver (optional)
Safety system	Infrared sensors to prevent unsafe operation
Moving speed	Up to 1500 mm/sec
Cutting speed	Up to 1200 mm/sec
Cutting thickness	Up to 50 mm (material dependant)
Cutting table type	Auto feed bed
Vacuum bed	Yes
Repeat accuracy	≤0.01mm
Buffer memory	2Gb
Transmission system	Digital servo, straight rail synchronous belt, guide screw
Command system	HP-GL compatible format
Size options	2500 x 1300 (CB03II-2513RM), 2500 x 1600 (CB03II-2516RM), 1100 x 1300 (CB03II-1113), 1800 x 1600 (CB03II-1816RM)
General Specification	CB08II range
Multi function tool head	Oscillating cutting knife/kiss cut/LED cursor location
Safety system	Infrared sensors to prevent unsafe operation
Moving speed	Up to 1500 mm/sec
Cutting speed	Up to 1200 mm/sec
Cutting thickness	Up to 50 mm (material dependant)
Cutting table type	Auto feed bed bed
Vacuum bed	Yes
Repeat accuracy	≤0.01mm
Buffer memory	2Gb
Transmission system	Digital servo, straight rail synchronous belt
Command system	HP-GL compatible format
Size options	2500 x 1600 (CB08II-2516PM), 3500 x 1600 (CB08II-3516PM), 5500 x 1600 (CB08II-5516PM), 2500 x 2000 (CB08II-2520PM), 3500 x 3000(CB08II-3520PM), 5500 x 2000 (CB08II-5520PM), 3000 x 3200 (CB08II-3032PM)

Large format, high speed digital cutting systems.

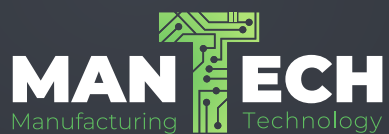
Perfect for a range of applications where speed is required, a versatile system that can process projects at speed with maximum efficiency and pin point accuracy.



MANTECH
Manufacturing Technology

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Delivering Excellence
Throughout Europe



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