



**RIKOSYS**  
THE SEAL OF ASSURANCE

# Catalogue

THE SEAL OF ASSURANCE

47 MACHINES · 7 CATEGORIES · ESTABLISHED 1986

# 01

THE RANGE, AT A GLANCE

## One partner. The whole line.

Rikosys builds the machines that mark, code and pack production lines, and supplies the laser, sawing, cutting and glass machinery that works beside them. Every machine in this catalogue is specified, installed, serviced and supported by one accountable team, under one name, and one standard set in 1986.

<b>47</b> Machines in this catalogue	<b>100,000+</b> Installed and working in the field	<b>40+</b> Years building and supplying
<b>1,500+</b> People across the company	<b>3</b> Regions: GCC, Europe, Asia	<b>ISO</b> 9001 · 14001 · 45001

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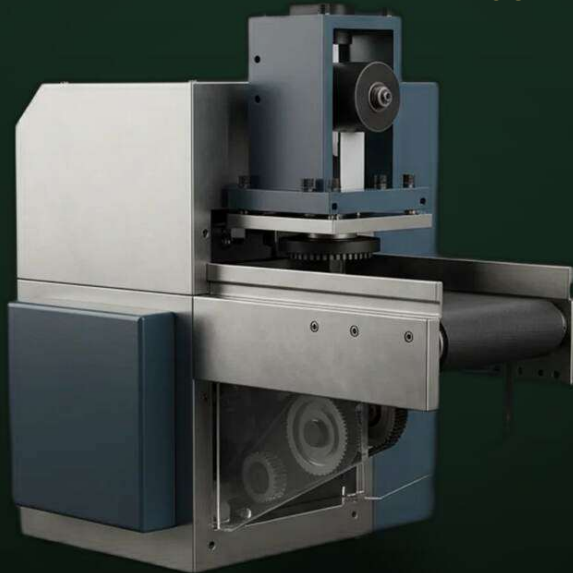
01

MADE BY RIKOSYS · 1 MACHINE

# Coding & Marking

The web and online coding and marking systems we build, for date, batch and barcode coding on moving production lines.

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## Web / Online Coder

The Web / Online Coder prints onto a continuous moving web or film as it runs through a form-fill-seal or pouch line.

Inline coders of this type typically cover printing areas from about 35 x 150 mm up to 95 x 450 mm in one to ten lines, running at line speeds up to 70 m/min and higher on fast models. It integrates into the packaging line so coding happens without a separate handling step.

### SPECIFICATIONS

<b>Type</b>	Online coder for moving web/film	<b>Print height</b>	1.2 - 12.7 mm (typical)
<b>Printing area</b>	35 x 150 mm up to 95 x 450 mm (typical)	<b>Line speed</b>	Up to 70 m/min typical; high-end to ~210 m/min (typical)
		<b>Print lines</b>	1 - 10 (typical)

### APPLICATIONS

Coding on moving film and web

Form-fill-seal line coding

Pouch line coding

Inline date and batch marking

### INDUSTRIES

Food and beverage

FMCG

Pharmaceuticals

Packaging

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02

MADE BY RIKOSYS · 1 MACHINE

# Packaging Systems

The end of line carton sealing systems we build for production lines.

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# Carton Sealing Machine

The Carton Sealing Machine applies and wipes down tape on the top and bottom of cases at the end of the line.

Semi-automatic carton sealers of this type typically run at around 20 to 25 m/min, handling boxes up to roughly 500 mm in each dimension with standard 48 mm tape. It seals cases consistently for shipping and storage.

## SPECIFICATIONS

<b>Type</b>	Semi-automatic carton sealer / box taping machine	<b>Sealing speed</b>	~20-25 m/min; ~10-15 cartons/min (typical)
<b>Carton size (L x W x H)</b>	W 180-500 mm, H 110-600 mm; common max 500 x 500 x 500 mm (typical)	<b>Tape width</b>	48 mm standard; 60/72/75 mm optional (typical)
		<b>Power</b>	180-420 W motor, 220-230 V / 50 Hz (typical)

## APPLICATIONS

Carton and case sealing

Top and bottom taping

End-of-line packaging

Shipping carton sealing

## INDUSTRIES

Packaging

Logistics and shipping

Retail and e-commerce

FMCG

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03

DISTRIBUTED RANGE · 16 MACHINES

# Fiber Laser

High-power fiber laser systems for cutting, welding and cleaning metal. Built for fabricators who need clean edges, fast throughput and years of reliable production.

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# Gloria HX-1530 Sheet Cutter

An entry-to-mid power fiber sheet cutter on a standard 1500 by 3000 mm bed, offered in 1.5, 2 and 3 kW with an IPG or Raycus source and a Bochu head.

It holds position accuracy under 0.04 mm at cutting speeds to 40 m per minute, and larger beds up to 2000 by 8000 mm are built to order. A sensible first machine for shops cutting thin to medium gauge sheet without paying for power they do not need.

## SPECIFICATIONS

<b>Laser power</b>	1.5 / 2 / 3 kW	<b>Max travelling speed</b>	70 m/min
<b>Working area</b>	1500 x 3000 mm (standard; up to 2000 x 8000 mm)	<b>Position accuracy</b>	< +/-0.04 mm
<b>Laser source</b>	IPG / Raycus fiber	<b>Min line width</b>	< 0.12 mm
<b>Wavelength</b>	1080 nm	<b>Acceleration</b>	1.5 G
<b>Cutting head</b>	Bochu	<b>Cooling</b>	Water cooling
<b>Max cutting speed</b>	40 m/min	<b>Drive</b>	AC servo motor
		<b>Working voltage</b>	AC 420V

## APPLICATIONS

Sheet metal cutting

Thin and medium gauge fabrication

Precision profile cutting

General job work

## INDUSTRIES

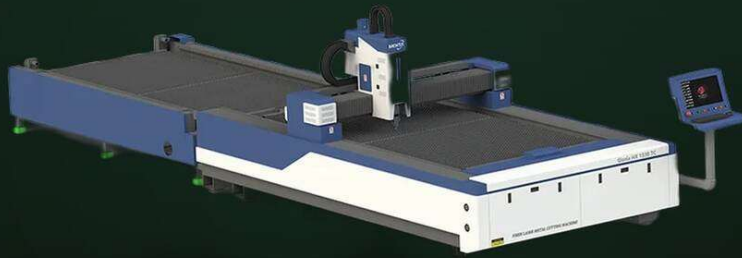
Metal fabrication

Signage

General engineering

Sheet metal job shops

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# Gloria HX-1530 TC Table Changer

The HX-1530 fitted with an exchange table so an operator loads and unloads one pallet while the beam keeps cutting on the other.

Laser power, head and motion specifications match the base HX, but throughput rises because the machine is not idle during material handling. The right configuration when loading time, not laser power, is the constraint on output.

## SPECIFICATIONS

<b>Laser power</b>	1.5 / 2 / 3 kW	<b>Max travelling speed</b>	70 m/min
<b>Working area</b>	1500 x 3000 mm (standard; up to 2000 x 8000 mm)	<b>Position accuracy</b>	< +/-0.04 mm
<b>Table system</b>	Dual exchange table changer	<b>Min line width</b>	< 0.12 mm
<b>Laser source</b>	IPG / Raycus fiber	<b>Acceleration</b>	1.5 G
<b>Wavelength</b>	1080 nm	<b>Cooling</b>	Water cooling
<b>Cutting head</b>	Bochu	<b>Drive</b>	AC servo motor
<b>Max cutting speed</b>	40 m/min	<b>Working voltage</b>	AC 420V

## APPLICATIONS

High-throughput sheet cutting

Continuous production runs

Reduced loading downtime

## INDUSTRIES

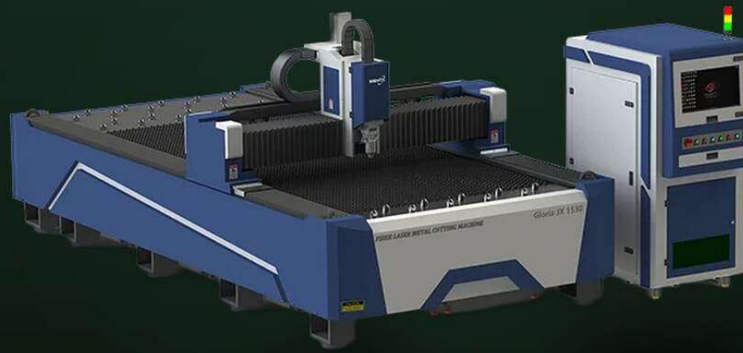
Metal fabrication

Signage

General engineering

Contract manufacturing

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# Gloria JX-1530 Sheet Cutter

A 6 kW fiber sheet cutter for small to medium production where thicker plate and faster traverse matter.

The higher power and a 120 m per minute travelling speed lift output over the entry HX range while holding the same sub 0.04 mm accuracy. Beds extend to 2000 by 12000 mm for longer stock.

## SPECIFICATIONS

<b>Laser power</b>	6 kW (also offered 4 kW)	<b>Max travelling speed</b>	120 m/min
<b>Working area</b>	1500 x 3000 mm (standard; up to 2000 x 12000 mm)	<b>Position accuracy</b>	< +/-0.04 mm
<b>Laser source</b>	IPG / Raycus fiber	<b>Min line width</b>	< 0.12 mm
<b>Wavelength</b>	1080 nm	<b>Acceleration</b>	2 G
<b>Cutting head</b>	Bochu	<b>Cooling</b>	Water cooling
<b>Max cutting speed</b>	40 m/min	<b>Drive</b>	AC servo motor
		<b>Working voltage</b>	AC 420V

## APPLICATIONS

Medium volume sheet cutting

Thicker plate fabrication

Faster rapid traverse work

## INDUSTRIES

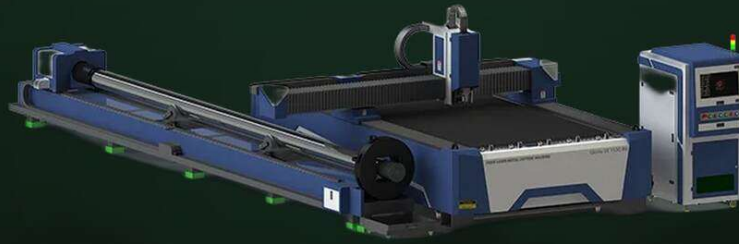
Metal fabrication

Automotive components

General engineering

Sheet metal job shops

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# Gloria JX-1530 R6 Sheet & Pipe Cutter

The 6 kW JX with a rotary attachment, so a single machine cuts both flat sheet and round pipe or tube.

Flat-cutting performance matches the standard JX-1530 while the rotary opens up mixed sheet and tube job work. A flexible choice for shops that cannot dedicate a separate machine to tube.

## SPECIFICATIONS

<b>Laser power</b>	6 kW (also offered 4 kW)	<b>Max travelling speed</b>	120 m/min
<b>Working area</b>	1500 x 3000 mm (standard)	<b>Position accuracy</b>	< +/-0.04 mm
<b>Rotary</b>	Yes, for pipe and tube	<b>Min line width</b>	< 0.12 mm
<b>Laser source</b>	IPG / Raycus fiber	<b>Acceleration</b>	2 G
<b>Wavelength</b>	1080 nm	<b>Cooling</b>	Water cooling
<b>Cutting head</b>	Bochu	<b>Drive</b>	AC servo motor
<b>Max cutting speed</b>	40 m/min	<b>Working voltage</b>	AC 420V

## APPLICATIONS

Combined sheet and tube cutting

Mixed job fabrication

Pipe and profile cutting

## INDUSTRIES

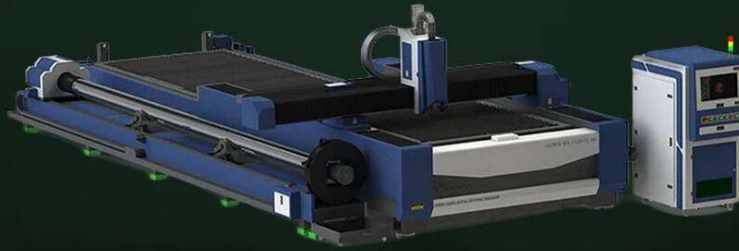
Metal fabrication

Structural and furniture

General engineering

Job shops

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# Gloria MX-1530 TC-R6 High-Power Cutter

A high power 12 to 30 kW cutter combining an exchange table with a rotary so it runs thick plate and pipe at speed with no loading downtime.

Cutting speed reaches 60 m per minute and travel 140 m per minute, with the same sub 0.04 mm accuracy as the lower power machines. Built for the heaviest continuous production.

## SPECIFICATIONS

<b>Laser power</b>	12 - 30 kW	<b>Max cutting speed</b>	60 m/min
<b>Working area</b>	1500 x 3000 mm (standard; larger beds built to order)	<b>Max travelling speed</b>	140 m/min
<b>Configuration</b>	Table changer with rotary (TC-R6)	<b>Position accuracy</b>	+/-0.04 mm
<b>Laser source</b>	IPG / Raycus fiber	<b>Min line width</b>	0.12 mm
<b>Wavelength</b>	1080 nm	<b>Acceleration</b>	2 G
<b>Cutting head</b>	Bochu	<b>Cooling</b>	Water cooling
		<b>Drive</b>	AC servo motor
		<b>Working voltage</b>	AC 420V

## APPLICATIONS

Heavy plate cutting    High speed sheet and pipe production

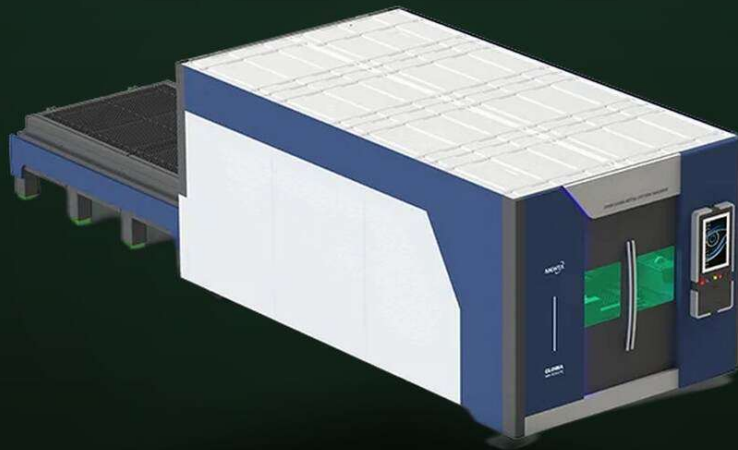
Continuous high power runs

## INDUSTRIES

Heavy fabrication    Structural steel    Shipbuilding

Contract manufacturing

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# Gloria MX Pro 1530 CTC

The Pro high power cutter with a compact table change that exchanges sheets quickly in a tighter footprint than a full exchange line.

It delivers the same 12 to 30 kW output and 60 m per minute cutting as the larger TC machines while saving floor space. For shops that want high power throughput where room is limited.

## SPECIFICATIONS

<b>Laser power</b>	12 - 30 kW	<b>Max travelling speed</b>	140 m/min
<b>Working area</b>	1500 x 3000 mm (standard; larger beds built to order)	<b>Position accuracy</b>	+/-0.04 mm
<b>Table system</b>	Compact table change (CTC)	<b>Min line width</b>	0.12 mm
<b>Laser source</b>	IPG / Raycus fiber	<b>Acceleration</b>	2 G
<b>Wavelength</b>	1080 nm	<b>Cooling</b>	Water cooling
<b>Cutting head</b>	Bochu	<b>Drive</b>	AC servo motor
<b>Max cutting speed</b>	60 m/min	<b>Working voltage</b>	AC 420V

## APPLICATIONS

High power sheet cutting

Fast sheet exchange production

Space constrained high power lines

## INDUSTRIES

Heavy fabrication

Structural steel

General engineering

Contract manufacturing

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# Gloria MR Series Large-Format Cutter

An extra large format gantry cutter running on ground rails, with fiber power from 12 up to 80 kW for long and heavy sheet.

Beds reach 4000 mm wide and 28000 mm long, with any size built to specification. This is the platform for oversized plate, structural stock and shipyard work that will not fit a standard table.

## SPECIFICATIONS

<b>Laser power</b>	12000 to 80000 W (12 - 80 kW)	<b>Cutting head</b>	Bochu precision fiber laser cutting head
<b>Bed width options</b>	2500 / 3000 / 3200 / 3500 / 4000 mm	<b>Max linkage speed</b>	130 m/min
<b>Bed length options</b>	6500 / 13000 / 15000 / 20000 / 26000 / 28000 mm	<b>Positioning accuracy</b>	+/-0.1 mm
<b>Structure</b>	Gantry type, ground rail transmission	<b>Repeatability</b>	+/-0.1 mm
<b>Laser source</b>	Raycus CW fiber (global version)	<b>Max acceleration</b>	0.5 G
		<b>Cooling</b>	Water cooling
		<b>Drive and control</b>	AC servo motor
		<b>Working voltage</b>	AC 420V

## APPLICATIONS

Long length sheet cutting

Oversized and heavy plate work

Structural section cutting

## INDUSTRIES

Heavy fabrication

Shipbuilding

Structural steel

Pressure vessel and tank work

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# Gloria TCX Series Tube Cutter

A dedicated tube and pipe laser cutter for 3 or 6 metre lengths at up to 3 kW, with purpose built tube handling and a Bochu head.

Position accuracy holds at or under 0.04 mm for clean, repeatable cuts across a range of profiles. The straightforward choice when most of the work is tube rather than sheet.

## SPECIFICATIONS

<b>Laser power</b>	1 / 1.5 / 2 / 3 kW (up to 3 kW)
<b>Tube length</b>	3 / 6 m
<b>Laser source</b>	IPG / Raycus fiber
<b>Wavelength</b>	1080 nm
<b>Cutting head</b>	Bochu
<b>Position accuracy</b>	$\leq 0.04$ mm

<b>Min line width</b>	< 0.12 mm
<b>Acceleration</b>	2 G
<b>Cooling</b>	Water cooling
<b>Drive</b>	AC servo motor
<b>Working voltage</b>	AC 420V

## APPLICATIONS

Tube and pipe cutting

Profile cutting

Round, square and rectangular section work

## INDUSTRIES

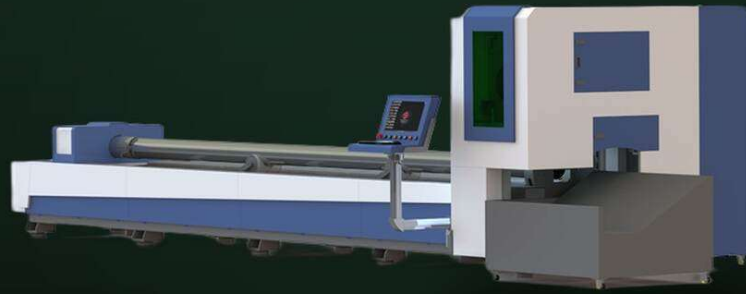
Metal fabrication

Furniture

Automotive

Structural

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# Gloria TX L3 / L6 Tube Cutter

A high speed, high precision tube cutter for 3 or 6 metre stock, available in power ratings up to 12 kW.

Practical cutting capacity is roughly 4 mm in stainless and 8 mm in mild steel. A strong choice for industrial shops where tube cutting is core output.

## SPECIFICATIONS

<b>Laser power</b>	6 - 12 kW	<b>Position accuracy</b>	$\leq 0.04$ mm
<b>Tube length</b>	3 / 6 m	<b>Min line width</b>	$< 0.12$ mm
<b>Working area reference</b>	3000 x 6000 mm	<b>Acceleration</b>	2 G
<b>Laser source</b>	IPG / Raycus fiber	<b>Cooling</b>	Water cooling
<b>Wavelength</b>	1080 nm	<b>Drive</b>	AC servo motor
<b>Cutting head</b>	Bochu	<b>Working voltage</b>	AC 420V
<b>Cutting capacity</b>	SS 4 mm, MS 8 mm (manufacturer application note)		

## APPLICATIONS

Tube and pipe cutting

Industrial fabrication

Signage frames

Heavier section tube

## INDUSTRIES

Metal fabrication

Automotive

Signage

Furniture

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# Gloria 5-Axis Cutting System

A five axis fiber laser system for complex three dimensional sheet and formed part cutting, designated MX-2040-5X with a 2 by 4 metre reference working size.

Configurations are built to customer requirement, so the working envelope and power are specified per project. Full specifications are available on request.

## SPECIFICATIONS

<b>Model reference</b>	Gloria MX-2040-5X	<b>Configuration</b>	Five axis fiber laser cutting
<b>Working size reference</b>	2000 x 4000 mm		

## APPLICATIONS

3D sheet cutting

Multi angle and bevel cutting

Formed and pressed part trimming

## INDUSTRIES

Automotive

Aerospace

Advanced fabrication

Tooling

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# Galaxy Handheld Laser Welder

A handheld fiber laser welder in 1.5, 2 and 3 kW on a Raycus source, with a wobble gun and integrated wire feeder.

Power is adjustable from 10 to 100 percent and the chiller sits inside the cabinet, so it works as a single mobile unit. A torch style tool that suits repair, fabrication and custom work where a fixed station is impractical.

## SPECIFICATIONS

<b>Models</b>	Galaxy 1500 / 2000 / 3000	<b>Laser source</b>	Raycus
<b>Laser power</b>	1500 / 2000 / 3000 W	<b>Welding head</b>	Wobble welding gun with feeder
<b>Wavelength</b>	1080 +/-5 nm	<b>Cooling</b>	Water chiller (inside)
<b>Laser frequency</b>	50 Hz - 5 kHz	<b>Power consumption</b>	10 / 14 / 16 kW
<b>Adjustable power range</b>	10 - 100%	<b>Weight</b>	95 kg (1500 / 2000); 160 kg (3000)

## APPLICATIONS

Metal and alloy welding

Repair and maintenance welding

Custom fabrication

## INDUSTRIES

Metal fabrication

Maintenance

General manufacturing

Job shops

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# Galaxy 4-in-1 Laser System

One handheld unit that welds, cuts, cleans and seam cleans metal, sharing the Galaxy platform across 1.5 to 3 kW.

At 3 kW it welds up to 8 mm in mild and stainless steel and cuts up to 2 mm stainless or 3 mm mild steel, so it replaces several separate tools. A flexible answer for a busy shop that needs more than one process from one machine.

## SPECIFICATIONS

<b>Functions</b>	Welding, cutting, cleaning, seam cleaning	<b>Wavelength</b>	1080 +/-5 nm
<b>Models</b>	Galaxy 1500 / 2000 / 3000	<b>Laser frequency</b>	50 Hz - 5 kHz
<b>Laser power</b>	1500 / 2000 / 3000 W	<b>Adjustable power range</b>	10 - 100%
<b>Weld capacity</b>	Up to 8 mm M.S. and S.S. with 3 kW	<b>Laser source</b>	Raycus
<b>Cutting capacity</b>	Up to 2 mm S.S., up to 3 mm M.S., up to 1.5 mm G.I.	<b>Welding head</b>	Wobble welding gun with feeder
		<b>Cooling</b>	Water chiller (inside)
		<b>Power consumption</b>	10 / 14 / 16 kW

## APPLICATIONS

Welding

Thin sheet cutting

Surface cleaning

Weld seam cleaning

## INDUSTRIES

Metal fabrication

Maintenance

General manufacturing

Job shops

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# Galaxy WB Series Manual Welder

A manual laser welder in 2 and 3 kW on a Raycus source, with integrated wire feed and laser cleaning under HMI control.

The 3 kW model welds up to 5 mm stainless or mild steel and 4 mm aluminium or nickel, with a 10 metre delivery cable usable to 8 metres for reach. Red light positioning and CW or modulated output suit varied production welding.

## SPECIFICATIONS

<b>Models</b>	WB-2000 / WB-3000	<b>Positioning</b>	Red light
<b>Laser power</b>	2000 / 3000 W	<b>Fiber termination</b>	QBH type connector (water cooled)
<b>Weld capacity (WB-2000)</b>	S.S. up to 4 mm, M.S. up to 4 mm, Aluminium up to 3 mm, Nickel up to 3 mm	<b>Delivery cable</b>	10 m (usable to 8 m)
<b>Weld capacity (WB-3000)</b>	S.S. up to 5 mm, M.S. up to 5 mm, Aluminium up to 4 mm, Nickel up to 4 mm	<b>Wire feeding</b>	Yes
<b>Wavelength</b>	1080 +/-5 nm	<b>Laser cleaning</b>	Integrated
<b>Operating mode</b>	CW / modulated	<b>Laser source</b>	Raycus
<b>Control</b>	HMI	<b>Cooling</b>	Water cooling
		<b>Power consumption</b>	9 kW
		<b>Power supply</b>	220-240 V / 50 Hz

## APPLICATIONS

Manual metal welding

Wire fed welding

Integrated surface cleaning

## INDUSTRIES

Metal fabrication

General manufacturing

Battery and assembly work

Job shops

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# Galaxy WDF-7050 EV Battery Welder

An automatic laser welding station for EV battery pack assembly, in 3 and 6 kW with CW or modulated output and under 3 percent power stability.

A 700 by 500 mm servo table on ball screw axes handles tab, cell and busbar welding with the repeatability that battery work demands. Built for precise, low heat input joining on production lines.

## SPECIFICATIONS

<b>Model</b>	Galaxy WDF-7050 (3000 / 6000 W)	<b>Power supply</b>	340-420 V three phase
<b>Max laser power</b>	3000 / 6000 W	<b>Cooling</b>	Water cooling
<b>Wavelength</b>	1080 +/-5 nm	<b>Interface</b>	QHB
<b>Operating mode</b>	CW / modulate	<b>Protective gas</b>	Dry air
<b>Max modulation frequency</b>	5 kHz	<b>Table size</b>	700 x 500 mm
<b>Output power stability</b>	< 3%	<b>Drive</b>	AC servo motors
<b>Red laser</b>	Yes	<b>Transmission</b>	High precision ball screw on all axes

## APPLICATIONS

EV battery tab welding

Busbar and cell connection welding

Battery pack assembly

## INDUSTRIES

EV manufacturing

Battery production

Electronics

Energy storage

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# Fiber Laser Tube Welder (FTW)

A dedicated tube welder in 3 and 6 kW on Raycus sources, with HMI and PLC control plus CCD monitoring of the seam.

The 6 kW model runs continuous welds at 8 to 9 metres per minute against the 3 kW machine's 7 to 8. Built for fast, repeatable seam welding in tube and pipe production.

## SPECIFICATIONS

<b>Models</b>	FTW-3000 / FTW-6000	<b>Fiber termination</b>	QBH type connector
<b>Laser power</b>	3000 / 6000 W	<b>Interface</b>	Analog
<b>Wavelength</b>	1060-1080 nm (FTW-3000); 1080 +/-5 nm (FTW-6000)	<b>Cooling</b>	Water cooling
<b>Laser source</b>	Raycus (RFL-C3000 / RFL-A6000D)	<b>Welding speed</b>	7 to 8 m/min (FTW-3000); 8 to 9 m/min (FTW-6000)
<b>Operating mode</b>	CW / modulated	<b>Power consumption</b>	16 kW (FTW-3000); 36 kW (FTW-6000)
<b>Control</b>	HMI and PLC	<b>Power supply</b>	380-420 V / 50-60 Hz
<b>Positioning</b>	Red light, CCD monitor system		

## APPLICATIONS

Tube and pipe seam welding

Continuous tube production

Longitudinal seam welding

## INDUSTRIES

Tube and pipe manufacturing

Metal fabrication

Furniture tube

Structural section production

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# LaserJet F Series Fiber Marker

A fiber laser marking and coding unit at 1064 nm in 30, 50 and 100 W for permanent marks on metals.

On the fly and static marking, a 10 inch touchscreen and an interconnect cable between enclosure and laser head make it straightforward to drop onto a production line. Min line width is 0.1 mm with character sizes from 0.3 mm.

## SPECIFICATIONS

<b>Models</b>	LJ-30F / LJ-50F / LJ-100F (30 / 50 / 100 W)
<b>Laser power</b>	30 / 50 / 100 W
<b>Laser type</b>	Fiber
<b>Wavelength</b>	1064 nm
<b>Min line width</b>	0.1 mm
<b>Character size</b>	From 0.3 mm
<b>Repeatability</b>	< 20 urad
<b>Lens scope</b>	110 x 110 mm (optional 70x70, 140x140, 200x200 mm)

<b>Marking mode</b>	On the fly (constant and variable speed) and static
<b>Operation</b>	10 inch touch screen
<b>Interfaces</b>	Ethernet, USB, RS-232; encoder, pedal, I/O, photo sensor
<b>Cooling</b>	Fan cooled
<b>Power supply</b>	100-240 V, 50/60 Hz
<b>Power consumption</b>	750 W

## APPLICATIONS

Permanent metal marking

Inline product coding

Traceability and serialisation

Barcode and 2D code marking

## INDUSTRIES

Manufacturing

Packaging

Automotive

Pipe and cable

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04

DISTRIBUTED RANGE · 2 MACHINES

# Flatbed Cutting

Digital flatbed cutting plotters and knife cutters for boxes, signage and soft materials. Multi-tool heads handle corrugated, foam, PVC, leather and fabric on one vacuum table.

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# REX Static Belt Cutting Plotter

The REX static-belt flatbed knife cutter is a vacuum-table digital cutting system for sheet and rigid materials.

A multi-tool carriage carries oscillating, drag, creasing, V-cut and routing tools so a single bed handles cutting, creasing and milling. An optional camera registration system supports contour cutting of printed substrates.

## SPECIFICATIONS

<b>Models / cutting area</b>	REX 1325 (1300 x 2500 mm), REX 1832 (1800 x 3200 mm), REX 2530 (2500 x 3000 mm) (typical)	<b>Tool options</b>	Up to 10 tools: EOT, EOT Heavy Duty, Creasing, Pneumatic Oscillating (POT), Drag, Kiss-cut, V-cut, Rotary, Pen, Spindle, Glass-cutting
<b>Max cutting speed</b>	3000 mm/s	<b>Materials</b>	Corrugated board, plastic corrugated, grey cardboard, PVC sheet, foam board, EVA, KT board, adhesive sheet, gasket, leather, rubber, PU, honeycomb, carpet, fabric (typical)
<b>Cutting thickness</b>	Up to 50 mm (through-cut up to 25 mm) (typical)	<b>Optional</b>	Camera contour-scan system for print-and-cut
<b>Repeat precision</b>	0.01 mm (typical)		
<b>Fixing method</b>	Vacuum suction, static table		
<b>Command mode</b>	HP-GL compatible format		

## APPLICATIONS

Packaging and corrugated box prototyping

Sample making and short-run die-less cutting

Gasket and rubber cutting

Print-and-cut contour finishing

Signage and display board cutting

## INDUSTRIES

Packaging and corrugated

Signage and advertising

Automotive interiors and gaskets

Leather and footwear

Print finishing



# REX Conveyor Belt Cutting Plotter

The REX conveyor-belt flatbed cutter adds an automatic feed table so roll and continuous sheet stock advance through the cutting zone without manual repositioning.

It runs the same multi-tool vacuum carriage as the static model and is controlled from a 7-inch touch screen over Ethernet. The conveyor design suits higher-throughput production where long material or repeated nesting jobs are processed in sequence.

## SPECIFICATIONS

<b>Models / cutting area</b>	REX 1325 (1300 x 2500 mm), REX 1832 (1800 x 3200 mm), REX 2530 (2500 x 3000 mm)	<b>Voltage</b>	AC 220V +/-10% 50Hz (machine), AC 380V +/-10% 50Hz (pump)
<b>Max cutting speed</b>	3000 mm/s	<b>Fuse</b>	6A / 30A
<b>Cutting thickness</b>	Up to 50 mm (through-cut up to 25 mm)	<b>Control</b>	7-inch color touch screen, Ethernet port
<b>Repeat precision</b>	0.01 mm	<b>Tools</b>	EOT, EOT Heavy Duty, Creasing, Pneumatic (POT), Drag, Kiss-cut, V-cut, Rotary, Pen, Spindle, Glass-cutting
<b>Software resolution</b>	0.025 mm	<b>Materials</b>	Corrugated board, plastic corrugated, thick grey cardboard, PVC sheet, foam board, EVA board, KT board, adhesive sheet, gasket, leather
<b>Feeding</b>	Automatic conveyor table during cutting		
<b>Fixing method</b>	Vacuum suction		
<b>Machine power</b>	4 KW		
<b>Suction power</b>	12 KW		

## APPLICATIONS

High-volume corrugated and box production

Continuous roll material cutting

Nested batch and short-run die-less cutting

FLATBED CUTTING

Gasket and foam cutting

Print-and-cut workflows

## INDUSTRIES

Packaging and corrugated

Signage and display

Automotive gaskets and interiors

Foam and composites

Textile and technical fabrics

05

DISTRIBUTED RANGE · 4 MACHINES

# Sign Fabrication

CNC channel-letter bending machines and signage materials for sign makers. Automated slotting and bending of aluminium and steel strips for clean, fast channel-letter production.

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# HT-MINI Channel-Letter Bender

The HT-MINI is the entry-level CNC channel-letter bender in the HT range, built for flat aluminium coil up to 100 mm high and 0.6 mm thick.

It uses a rolling feed with planer-knife slotting and double-blade alternate bending, calibrating cut depth in software for +/-0.1 mm forming accuracy. It suits small shops producing standard illuminated letters from DXF files.

## SPECIFICATIONS

<b>Material height</b>	10 to 100 mm	<b>Accuracy</b>	+/-0.1 mm
<b>Material thickness</b>	0.3 to 0.6 mm	<b>Cutting depth calibration</b>	By software
<b>Slotting method</b>	Planer knife slotting system	<b>Power</b>	AC 220V / 55Hz / 1 KW
<b>Bending method</b>	Double blade alternate bending system	<b>Air source</b>	0.6 m3/min
<b>Feeding method</b>	Rolling feeding device	<b>Material supported</b>	Flat aluminium
		<b>Input file format</b>	.dxf

## APPLICATIONS

Forming flat aluminium channel letters

Small-format illuminated signage

Logo and lettering fabrication

Storefront sign production

## INDUSTRIES

Signage and advertising

Sign fabrication shops

Retail and storefront branding

Outdoor advertising

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# HT-1 N Channel-Letter Bender

The HT-1 N is a CNC channel-letter bender that forms flat aluminium, single-edge, side-light and channelume profiles up to 130 mm high.

It combines rolling feed, milling-cutter slotting on a double alternate grooved cylinder and a variable 45 to 135 degree slot angle for sharp corners and curves. Bends are held to +/-0.1 mm and jobs import directly from DXF, PLT or AI files.

## SPECIFICATIONS

<b>Material height</b>	20 to 130 mm	<b>Power</b>	AC 200 to 220V / 55Hz / 1 KW
<b>Material thickness</b>	0.3 to 1.2 mm	<b>Air source</b>	0.6 m3/min
<b>Feeding method</b>	Rolling feeding	<b>Materials supported</b>	Flat aluminium, single edge, side light, channelume
<b>Slotting method</b>	Milling cutter with double alternate grooved cylinder	<b>Input file formats</b>	.DXF / .PLT / .AI
<b>Slot angle</b>	45 to 135 degrees	<b>Dimensions (L x W x H)</b>	2510 x 950 x 1510 mm
<b>Accuracy</b>	+/-0.1 mm	<b>Weight</b>	350 kg

## APPLICATIONS

Illuminated and non-illuminated channel letters

Storefront and mall signage

Billboard and logo lettering

Variable-angle corner forming

## INDUSTRIES

Signage and advertising

Sign fabrication

Retail and commercial branding

Outdoor and architectural signage

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# HT-3 Channel-Letter Bender

The HT-3 is a heavier-duty CNC channel-letter bender that adds stainless steel and galvanized iron to the usual flat aluminium, using a circulation clamp feed for firmer control of stiffer metal.

Planer-knife slotting and double alternate blade bending deliver +/-0.1 mm accuracy on profiles up to 130 mm high. A 2.4 KW drive and 470 kg frame target production shops working harder ferrous strip.

## SPECIFICATIONS

<b>Material height</b>	20 to 130 mm	<b>Power</b>	AC 200 to 220V / 55Hz / 2.4 KW
<b>Material thickness</b>	0.3 to 1.2 mm	<b>Air source</b>	0.6 m3/min
<b>Feeding method</b>	Circulation clamp feeding	<b>Materials supported</b>	Stainless steel, galvanized iron, flat aluminium
<b>Slotting method</b>	Planer knife slotting	<b>Input file formats</b>	.DXF / .PLT / .AI
<b>Bending method</b>	Double alternate blade bending	<b>Dimensions (L x W x H)</b>	2550 x 850 x 1710 mm
<b>Slot angle</b>	90 degrees	<b>Weight</b>	470 kg
<b>Accuracy</b>	+/-0.1 mm		

## APPLICATIONS

Stainless and galvanized channel letters

Outdoor and large-format signage

Durable illuminated lettering

Flat aluminium letter forming

## INDUSTRIES

Signage and advertising

Metal sign fabrication

Architectural signage

Outdoor advertising

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# HT-PRO Channel-Letter Bender

The HT-PRO is the multifunctional top of the HT range, combining the slotting and bending heads of the HT-1 and HT-3 in one machine and running two software systems for flexibility.

It forms the widest material set, from flat and single-edge aluminium to channelume, galvanized strip and stainless steel up to 160 mm high. Dual milling-cutter and planer-knife slotting reach a minimum R6 mm radius at +/-0.1 mm accuracy.

## SPECIFICATIONS

<b>Material height</b>	30 to 160 mm	<b>Accuracy</b>	+/-0.1 mm
<b>Material thickness</b>	0.3 to 1.5 mm	<b>Power</b>	Single phase AC 220V +/-10% / 55Hz / 2.4 KW
<b>Feeding method</b>	Rolling feeding device	<b>Air source</b>	0.6 m3/min
<b>Bending method</b>	Double alternate blade with double alternate grooved cylinder	<b>Materials supported</b>	All types of aluminium, channelume, single edge, galvanized strips, stainless steel
<b>Cutting/slotting method</b>	Milling cutter and planer knife	<b>Input file formats</b>	AI, DXF
<b>Minimum bending radius</b>	R10 mm (planer), R6 mm (milling)		

## APPLICATIONS

Multi-material channel letter fabrication

Channelume and trim-cap letter forming

Stainless and galvanized signage

Tight-radius and small-letter forming

High-mix signage production

## INDUSTRIES

Signage and advertising

Metal and architectural fabrication

Sign and display manufacturing

Outdoor advertising

06

DISTRIBUTED RANGE · 3 MACHINES

# Glass & Mirror

CNC glass cutting, processing and mirror-engraving machines for architectural and decorative glass. Precise cutting, shaping, drilling and laser designing for the modern glass industry.

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# GEMINI CNC Glass Cutter

The GEMINI is a CNC float-glass cutting machine that scores straight and shaped glass from 3 to 19 mm using a motorized, pressure-controlled cutting head driven by AC servos.

It runs on a PC based controller with optional Low-E coating deletion brushes and wheels for coated glass. The platform is offered in three bed sizes and can be paired with an inbuilt or separate breaking table plus right, left, or dual side automatic loading.

## SPECIFICATIONS

<b>Working area (GEMINI-1325)</b>	1300 x 2500 mm	<b>Max Low-E deletion wheel speed</b>	130 m/min
<b>Working area (GEMINI-1825)</b>	1800 x 2500 mm	<b>Control system</b>	High Speed V10 PC based controller
<b>Working area (GEMINI-2532)</b>	2500 x 3200 mm	<b>Drive system</b>	AC servo motor
<b>Glass thickness</b>	3 to 19 mm	<b>X and Y transmission</b>	Helical rack, mild steel frame structure
<b>Max cutting speed</b>	200 m/min	<b>Cutting tool</b>	Auto pressure control with R motorized head
<b>Cutting tolerance</b>	+/- 0.15 mm	<b>Power supply</b>	AC 440V / 3 phase
<b>Max Low-E deletion brush speed</b>	80 m/min		

## APPLICATIONS

Straight and shaped glass scoring

Low-E coated glass cutting and edge deletion

Architectural and facade glass cutting

Automotive and furniture glass blanks

Custom shape and template cutting

## INDUSTRIES

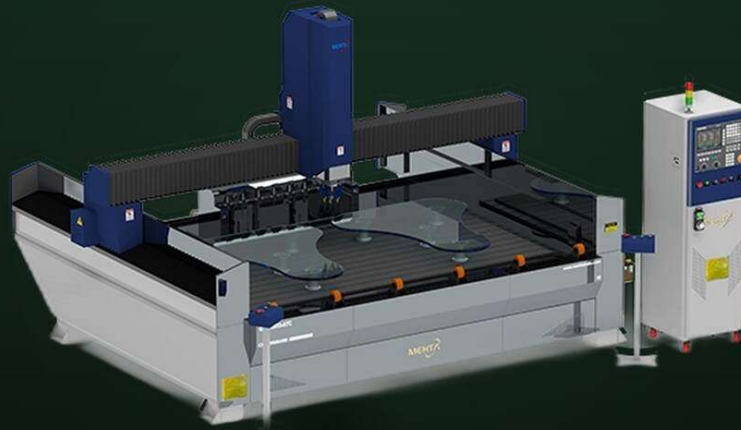
Architectural glass

Glass processing and fabrication

Automotive glass

Furniture and interiors

Mirror and decorative glass



# GAIA CNC Glass Processing Center

The GAIA is a horizontal CNC glass processing center built around an 11 kW water cooled automatic tool change spindle running to 24000 RPM with a linear tool magazine.

It handles drilling, grinding, polishing, routing, beveling, and engraving on glass from 3 to 16 mm held on a vacuum bed. The machine is offered in three machining footprints and uses a linear ATC so tools switch under program control without operator intervention.

## SPECIFICATIONS

Machining area (GAIA 1212 ATC)	1200 x 1200 mm	Z-axis travel	400 mm
Machining area (GAIA 2513 ATC)	2500 x 1300 mm	Distance between bed and gantry	400 mm
Machining area (GAIA 3015 ATC)	3000 x 1500 mm	Max running speed	30 m/min
Glass thickness	3 to 16 mm	ATC system	Linear ATC
Spindle	11 kW water cooled ATC spindle	Worktable	Vacuum pump with vacuum bed and stoppers
Spindle speed	24000 RPM	Spindle cooling	Water circulation system
		Power supply	440V / 3 phase
		Weight	1200 kg (base model)

## APPLICATIONS

- Drilling and hole machining
- Edge grinding and polishing
- Beveling and routing
- Engraving and writing on glass
- Shape and cutout milling

## INDUSTRIES

- Architectural glass
- Furniture and interior glass
- Decorative and art glass
- Glass processing and fabrication
- Appliance and shower enclosure glass

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# MIRACLE Mirror Laser Engraver

The MIRACLE-48 is a CNC fiber laser engraver built for mirrors and glass, using a 120 W, 1064 nm source on a 1220 by 2450 mm table.

It frosts mirror surfaces in a single pass and produces fine detail down to a 0.01 mm line width, with designs that glow when backlit by LED. Rack and pinion axes on servo drives give repositioning accuracy of +/- 0.03 mm at marking speeds up to 7000 mm/s.

## SPECIFICATIONS

<b>Model</b>	MIRACLE-48	<b>Drive system</b>	Japanese servo motor
<b>Laser source</b>	Fiber laser	<b>X and Y movement</b>	Rack and pinion
<b>Laser power</b>	120 W	<b>Cooling</b>	Water cooling
<b>Wavelength</b>	1064 nm	<b>Operating system</b>	Windows 7/8/10 (32/64 bit)
<b>Table working area</b>	1220 x 2450 mm	<b>Interfaces</b>	USB, Ethernet, U-disk
<b>Marking speed</b>	up to 7000 mm/s	<b>File formats</b>	PLT, DXF, DWG
<b>Minimum line width</b>	0.01 mm	<b>Power consumption</b>	3.5 kW
<b>Repositioning accuracy</b>	+/- 0.03 mm	<b>Working voltage</b>	AC 220V +/- 10%, 50/60 Hz
<b>Z-axis movement</b>	Auto, up to 300 mm		

## APPLICATIONS

LED mirror design and backlit engraving

Decorative mirror frosting and etching

Logo and pattern marking on glass

Customized signage glass

Artistic and architectural mirror work

## INDUSTRIES

Mirror and decorative glass

Interior design and furniture

Signage and branding

Architectural glass

Glass processing and fabrication

07

DISTRIBUTED RANGE · 20 MACHINES

# Sawing

Bandsaw machines for metal cutting across manual, semi-automatic and fully-automatic CNC ranges. ISO 9001-certified Indian engineering built for accurate, repeatable cuts on bar, pipe and structural steel.

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## Classic 225 Manual Bandsaw

The Classic 225 is a manual bandsaw that cuts solid round bar up to 225 mm and squares up to 150 x 300 mm, driven by a 1 HP motor with three blade speeds from 25 to 70 m/min.

It runs a 3000 x 27 x 0.9 mm blade through a self-centering vice and German-pattern blade guides for a square, repeatable cut. At about 360 kg it suits small shops and tool rooms that need a dependable, no-frills saw.

### SPECIFICATIONS

Type	Manual bandsaw	Saw motor	1 HP / 0.75 kW
Cutting capacity (round)	225 mm	Coolant pump	0.15 HP
Cutting capacity (square)	150 x 300 mm	Machine size	1570 x 1060 x 650 mm
Blade size	3000 x 27 x 0.9 mm	Weight	360 kg approx.
Blade speed	25-50-70 m/min		

### APPLICATIONS

Round bar cutting

Square and section cutting

Tool room work

Maintenance and repair shops

### INDUSTRIES

Metal fabrication

Workshops

Tool rooms

General engineering

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# Classic 300 Manual Bandsaw

The Classic 300 steps the manual range up to 300 mm round and 300 x 300 mm square capacity on a heavier 600 kg frame.

A 2 HP drive turns a 3760 x 27 x 0.9 mm blade at three speeds up to 70 m/min, with a high-efficiency bronze-wheel gearbox and self-centering vice for accurate cuts under heavy daily use. It is built for fabrication shops that have outgrown a smaller manual saw.

## SPECIFICATIONS

Type	Manual bandsaw	Saw motor	2 HP / 1.5 kW
Cutting capacity (round)	300 mm	Coolant pump	0.15 HP
Cutting capacity (square)	300 x 300 mm	Machine size	1970 x 1200 x 740 mm
Blade size	3760 x 27 x 0.9 mm	Weight	600 kg approx.
Blade speed	25-50-70 m/min		

## APPLICATIONS

Round bar cutting

Square and section cutting

Heavy daily workshop use

## INDUSTRIES

Metal fabrication

Workshops

General engineering

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# Swivel 225 Mitre Bandsaw

The Swivel 225 is a swing-frame manual bandsaw that cuts straight up to 225 mm round and mitres up to 100 x 100 mm at 45 degrees.

It carries the same 1 HP drive, three-speed gearbox and 3000 x 27 x 0.9 mm blade as the Classic 225, with a swivelling head for angled work. It suits workshops that cut frames, brackets and sections needing both straight and mitre cuts.

## SPECIFICATIONS

<b>Type</b>	Swing-type manual mitre bandsaw
<b>Cutting capacity (round)</b>	225 mm
<b>Cutting capacity (square)</b>	150 x 300 mm
<b>45 deg cutting</b>	100 x 100 mm
<b>Blade size</b>	3000 x 27 x 0.9 mm

<b>Blade speed</b>	25-50-70 m/min
<b>Saw motor</b>	1 HP / 0.75 kW
<b>Coolant pump</b>	0.15 HP
<b>Machine size</b>	1570 x 1060 x 650 mm
<b>Weight</b>	360 kg approx.

## APPLICATIONS

Mitre and angle cutting

Straight bar cutting

Frame and bracket fabrication

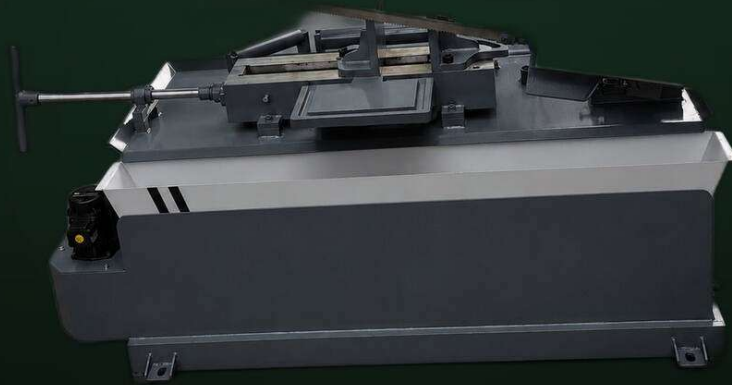
## INDUSTRIES

Metal fabrication

Workshops

Fabrication

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# Swivel VM 300 Mitre Bandsaw

The Swivel 300 (Swivel VM 300) is a swing-type manual mitre bandsaw cutting up to 300 mm round, with a 200 x 200 mm capacity at 45 degrees.

A 2 HP motor and 3760 x 27 x 0.9 mm blade give it the reach for larger angled work than the Swivel 225. It is aimed at fabrication shops producing structural frames and mitred sections.

## SPECIFICATIONS

Type	Swing-type manual mitre bandsaw	Blade speed	25-50-70 m/min
Cutting capacity (round)	300 mm	Saw motor	2 HP / 1.5 kW
Cutting capacity (square)	150 x 300 mm	Coolant pump	0.15 HP
45 deg cutting	200 x 200 mm	Machine size	1970 x 1200 x 740 mm
Blade size	3760 x 27 x 0.9 mm	Weight	600 kg approx.

## APPLICATIONS

Mitre and angle cutting

Larger section cutting

Structural frame fabrication

## INDUSTRIES

Metal fabrication

Workshops

Fabrication

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# Steel Master 225 Bandsaw

The Steel Master 225 is a rigid manual bandsaw that cuts round stock to 225 mm and squares to 150 x 300 mm, fitted with a 2 HP drive for faster cutting than the Classic 225 at the same capacity.

Three blade speeds from 20 to 70 m/min, a self-centering vice and German-pattern blade guides keep cuts square in busy shops. The compact 370 kg frame fits limited floor space.

## SPECIFICATIONS

Type	Manual bandsaw	Saw motor	2 HP / 1.5 kW
Cutting capacity (round)	225 mm	Coolant pump	0.15 HP
Cutting capacity (square)	150 x 300 mm	Machine size	1570 x 1060 x 650 mm
Blade size	3000 x 27 x 0.9 mm	Weight	370 kg approx.
Blade speed	20-40-70 m/min		

## APPLICATIONS

Round bar cutting

Square and section cutting

Workshop and fabrication cutting

## INDUSTRIES

Metal fabrication

Workshops

General engineering

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# Steel Master 330 Manual Bandsaw

The Steel Master 330 is the largest manual saw in the range, cutting up to 330 mm round and 330 x 400 mm square on a 3 HP drive.

It runs a heavier 3760 x 34 x 1.1 mm blade at three speeds up to 70 m/min, with a bronze-wheel gearbox and self-centering vice built for heavy daily fabrication. It is a robust choice for high-utilization shops that want manual control at large capacity.

## SPECIFICATIONS

Type	Manual bandsaw	Saw motor	3 HP / 2.25 kW
Cutting capacity (round)	330 mm	Coolant pump	0.15 HP
Cutting capacity (square)	330 x 400 mm	Machine size	1970 x 1200 x 740 mm
Blade size	3760 x 34 x 1.1 mm	Weight	610 kg approx.
Blade speed	25-50-70 m/min		

## APPLICATIONS

Heavy round and section cutting

Heavy daily fabrication

## INDUSTRIES

Metal fabrication

Workshops

Heavy fabrication

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# Stronger 330 Semi-Auto Bandsaw

The Stronger 330 is a double-column semi-automatic bandsaw for straight cutting up to 330 mm round and 330 x 400 mm square, with VFD blade speed from 15 to 80 m/min.

A 5 HP drive, hydraulic blade tension and an origin system that returns the head home after each cut give consistent production output. It suits shops moving from manual saws to repeatable semi-automatic cutting.

## SPECIFICATIONS

Type	Double-column semi-automatic bandsaw	Hydraulic motor	1 HP / 0.75 kW
Cutting capacity (round)	330 mm	Coolant pump	0.18 HP
Cutting capacity (square)	330 x 400 mm	Hydraulic oil tank	30 L
Blade size	4100 x 34 x 1.1 mm	Coolant tank	40 L
Blade speed	15-80 m/min (VFD)	Machine size	2060 x 1320 x 1910 mm
Saw motor	5 HP / 3.75 kW	Weight	900 kg approx.

## APPLICATIONS

Semi-automatic straight cutting

Bar and section production

Repeatable batch cutting

## INDUSTRIES

Metal fabrication

Steel service

Production cutting

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# Stronger 430 Semi-Auto Bandsaw

The Stronger 430 is a heavy double-column semi-automatic bandsaw cutting up to 430 mm round and 430 x 500 mm square, driven by a 7 HP motor with VFD blade speed from 15 to 80 m/min.

Hydraulic clamping and blade tension, a 5300 x 41 x 1.3 mm blade and a 2175 kg frame handle large-section bar and structural steel. It is built for production shops cutting heavy stock day in, day out.

## SPECIFICATIONS

Type	Double-column semi-automatic bandsaw
Cutting capacity (round)	430 mm
Cutting capacity (square)	430 x 500 mm
Blade size	5300 x 41 x 1.3 mm
Blade speed	15-80 m/min (VFD)
Saw motor	7 HP / 5.5 kW

Hydraulic motor	1 HP / 0.75 kW
Coolant pump	0.18 HP
Hydraulic oil tank	40 L
Coolant tank	70 L
Machine size	2850 x 1700 x 2410 mm
Weight	2175 kg approx.

## APPLICATIONS

Heavy semi-automatic straight cutting

Large-section bar cutting

Structural steel cutting

## INDUSTRIES

Steel service

Heavy fabrication

Structural fabrication

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# MiterSaw 450 Bandsaw

The MiterSaw 450 is a double-column mitre bandsaw cutting up to 450 mm round and 450 x 600 mm square at 90 degrees, with a precision angle scale for mitres to 45 and 60 degrees.

Hydraulic vice clamping, VFD blade speed from 15 to 80 m/min and a 6060 x 37 x 1.1 mm blade give accurate, repeatable angled cuts. It is built for steel service centres and fabricators that mitre structural sections.

## SPECIFICATIONS

Type	Double-column mitre bandsaw	Saw motor	5 HP / 3.75 kW
Cutting capacity 90 deg (round)	450 mm	Hydraulic motor	1 HP / 0.75 kW
Cutting capacity 90 deg (square)	450 x 600 mm	Coolant pump	0.18 HP
45 deg cutting (square)	450 x 400 mm	Vice clamping	Hydraulic
60 deg cutting (round)	250 mm	Angle swivel	Manual, precision angle scale
Blade size	6060 x 37 x 1.1 mm	Machine size	4340 x 1800 mm (L x W)
Blade speed	15-80 m/min (VFD)	Height (min-max)	2150-2250 mm
		Weight	2100 kg approx.

## APPLICATIONS

Precision mitre and angle cutting

Structural steel cutting

Section and beam cutting

## INDUSTRIES

Steel service

Structural fabrication

Heavy fabrication

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# Miter Saw 3045DS Bandsaw

The MiterSaw 3045DS is a double-column double-side mitre bandsaw that swivels both ways for angle cuts on pipe, channel and structural steel.

At 90 degrees it cuts 300 mm round and 250 x 450 mm square, with hydraulic clamping and VFD blade speed from 15 to 100 m/min. The double-side swivel suits shops producing mitred frames and trusses that need angles cut left and right without re-fixturing.

## SPECIFICATIONS

<b>Type</b>	Double-column double-side degree-cutting bandsaw	<b>Blade speed</b>	15-100 m/min (VFD)
<b>Cutting capacity 90 deg (round)</b>	300 mm	<b>Saw motor</b>	3 HP / 2.25 kW
<b>Cutting capacity 90 deg (square)</b>	250 x 450 mm	<b>Hydraulic motor</b>	1 HP / 0.75 kW
<b>45 deg cutting (square)</b>	300 x 300 mm	<b>Vice clamping</b>	Hydraulic
<b>60 deg cutting (square)</b>	250 x 225 mm	<b>Angle swivel</b>	Manual, precision angle scale
<b>Blade size</b>	4115 x 27 x 0.9 mm	<b>Machine size</b>	2270 x 1160 x 1660 mm
		<b>Weight</b>	910 kg approx.

## APPLICATIONS

Double-side angle cutting

Pipe and channel cutting

Mitred frame and truss fabrication

## INDUSTRIES

Steel service

Structural fabrication

Heavy fabrication

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# Compact 150NC Auto Bandsaw

The Compact 150NC is a pivot-type fully-automatic NC bandsaw cutting up to 150 mm round and 150 x 150 mm square, with programmable multiple feed of 300 mm in up to nine increments.

NC control, material detection and auto shut-off on blade breakage let it run repeatable unattended cuts on a compact 700 kg frame. It suits job shops that need automated, consistent output without a large machine.

## SPECIFICATIONS

<b>Type</b>	Pivot-type fully-automatic NC bandsaw	<b>Blade speed</b>	20-40-70 m/min
<b>Automation</b>	NC control, material detection	<b>Saw motor</b>	2 HP / 1.5 kW
<b>Cutting capacity (round)</b>	150 mm	<b>Hydraulic motor</b>	1 HP / 0.75 kW
<b>Cutting capacity (square)</b>	150 x 150 mm	<b>Multiple feed</b>	300 mm x 9 times
<b>Blade size</b>	3000 x 27 x 0.9 mm	<b>Machine size</b>	1500 x 1600 x 1130 mm
		<b>Weight</b>	700 kg approx.

## APPLICATIONS

Automated repeatable cutting

Batch length cutting

Unattended job-shop production

## INDUSTRIES

Metal fabrication

Production cutting

Job shops

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## HBM 250NC Auto Bandsaw

The HBM 250NC is a pivot-type fully-automatic NC bandsaw cutting up to 250 mm round and 250 x 250 mm square, with VFD blade speed from 15 to 80 m/min and programmable multiple feed of 400 mm in up to nine increments.

NC control, helical gear drive, chip brush and material detection support high-throughput unattended runs. It is built for production lines that need automated cutting at mid capacity.

### SPECIFICATIONS

<b>Type</b>	Pivot-type fully-automatic NC bandsaw	<b>Blade speed</b>	15-80 m/min (VFD)
<b>Automation</b>	NC control, material detection	<b>Saw motor</b>	3 HP / 2.25 kW
<b>Cutting capacity (round)</b>	250 mm	<b>Hydraulic motor</b>	1 HP / 0.75 kW
<b>Cutting capacity (square)</b>	250 x 250 mm	<b>Multiple feed</b>	400 mm x 9 times
<b>Blade size</b>	3760 x 34 x 1.1 mm	<b>Machine size</b>	1950 x 1930 x 1350 mm
		<b>Weight</b>	1400 kg approx.

### APPLICATIONS

High-throughput automated cutting

Batch length cutting

Production-line bar cutting

### INDUSTRIES

Metal fabrication

Production cutting

Steel service

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# MegaX 850x1000 CNC Bandsaw

The MegaX 850x1000CNC is a double-column CNC bandsaw for billet and large-section cutting up to 850 mm round and 850 x 1000 mm square.

A 15 HP drive, hydraulic blade tension, programmable saw feed from 1 to 350 mm/min and a smart cutting system with material selection deliver controlled, high-volume cuts behind a CE safety enclosure. It is the flagship of the range for steel mills and heavy fabricators.

## SPECIFICATIONS

<b>Type</b>	Double-column CNC fully-automatic bandsaw	<b>Blade speed</b>	15-80 m/min
<b>Automation</b>	CNC, HMI + buttons, PLC, material detection	<b>Saw motor</b>	15 HP / 11.25 kW
<b>Cutting capacity (round)</b>	850 mm	<b>Hydraulic motor</b>	3 HP / 2.25 kW
<b>Cutting capacity (square)</b>	850 (H) x 1000 (W) mm	<b>Coolant pump</b>	0.18 HP
<b>Blade size</b>	9080 x 67 x 1.6 mm	<b>Multiple feed</b>	800 mm x 9 times
		<b>Saw feed speed</b>	1-350 mm/min
		<b>Weight</b>	8000 kg approx.

## APPLICATIONS

Billet cutting

Large-section steel cutting

High-volume CNC production

## INDUSTRIES

Steel service

Heavy fabrication

Steel mills

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## Verti 14 Vertical Bandsaw

The Verti 14 is a vertical bandsaw with a 350 mm throat and 300 mm work height, driven by a 2 HP motor with VFD blade speed control and a sliding table.

The vertical layout suits plate cutting, tool room work and intricate profile cutting where the operator guides the workpiece into the blade. At 320 kg it is the compact entry to the vertical range.

### SPECIFICATIONS

Type	Vertical bandsaw	Table height	990 mm
Max throat capacity	350 mm	Max blade length	3250 mm
Max work height	300 mm	Max blade width	27 mm
Wheel diameter	360 mm	Net weight	320 kg
Main drive motor	2 HP / 1.5 kW	Machine size	850 x 600 x 1740 mm
Table size	500 x 500 mm		

### APPLICATIONS

Plate cutting

Tool room work

Intricate profile cutting

Contour cutting

### INDUSTRIES

Metal fabrication

Tool rooms

General engineering

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## Verti 300A Vertical Bandsaw

The Verti 300A is an automatic vertical bandsaw with a servo ball-screw table that feeds work up to 1000 mm wide past the blade for plate and profile cutting.

It cuts up to 300 mm high and 400 mm long, with VFD blade speed from 15 to 100 m/min and an origin system that returns the head home after each cut. The servo table on LM guides suits accurate, repeatable plate work.

### SPECIFICATIONS

Type	Automatic vertical bandsaw	Blade speed	15-100 m/min (VFD)
Max cutting height	300 mm	Saw motor	5 HP / 3.75 kW
Max cutting length	400 mm	Servo motor	1 kW
Max cutting width	1000 mm	Chip conveyor motor	1 HP / 0.75 kW
Min cutting (H x W)	15 x 15 mm	Coolant motor	0.18 HP
Feeding length	1000 mm	Table height	1170 mm
Table size	980 x 970 mm	Weight	1400 kg
Blade size	4115 x 34 x 1.1 mm		

### APPLICATIONS

Plate cutting

Profile and contour cutting

Repeatable automated cutting

### INDUSTRIES

Metal fabrication

Tool rooms

Production cutting

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## Verti 400A Vertical Bandsaw

The Verti 400A is the larger automatic vertical bandsaw, cutting up to 400 mm high and feeding work up to 1250 mm wide on a servo ball-screw table.

A 7.5 HP drive, 5000 x 41 x 1.3 mm blade and VFD speed from 15 to 100 m/min handle heavier plate and section work. The LM-guide table and origin system give repeatable, automated cuts at the top of the vertical range.

### SPECIFICATIONS

Type	Automatic vertical bandsaw	Blade speed	15-100 m/min (VFD)
Max cutting height	400 mm	Saw motor	7.5 HP / 5.5 kW
Max cutting length	550 mm	Servo motor	1.5 kW
Max cutting width	1250 mm	Chip conveyor motor	1 HP / 0.75 kW
Min cutting (H x W)	15 x 10 mm	Coolant motor	0.18 HP
Feeding length	1250 mm	Table height	1400 mm
Table size	1380 x 1270 mm	Weight	2650 kg
Blade size	5000 x 41 x 1.3 mm		

### APPLICATIONS

- Heavy plate cutting
- Profile and contour cutting
- Repeatable automated cutting

### INDUSTRIES

- Metal fabrication
- Heavy fabrication
- Production cutting

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## VM 50 CNC Circular Saw

The VM 50 is a cold-cut circular saw for high-speed, clean cuts on tube, pipe and bar stock up to 50 mm.

Cold sawing produces a burr-free, square cut face that needs little finishing, making it suited to production cutting where edge quality matters. Full specifications are available on request.

### SPECIFICATIONS

Type	Cold-cut circular saw	Automation	NC / CNC
Cutting capacity (round)	50 mm	Warranty	12 months

### APPLICATIONS

Cold-cut sawing

Tube and pipe cutting

Bar cutting

Production cutting

### INDUSTRIES

Metal fabrication

Production cutting

General engineering

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# VM 80 CNC Circular Saw

The VM 80 is a heavy-duty CNC cold-cut circular saw with hydraulic clamping for clean, high-speed cuts on tube, pipe and bar up to 80 mm.

Cold sawing leaves a square, burr-free face that reduces secondary finishing in production runs. Full specifications are available on request.

## SPECIFICATIONS

Type	Cold-cut circular saw
Cutting capacity (round)	80 mm
Clamping	Hydraulic

Automation	CNC
Warranty	12 months

## APPLICATIONS

Cold-cut sawing

Tube and pipe cutting

Bar cutting

Production cutting

## INDUSTRIES

Metal fabrication

Production cutting

General engineering

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# VM 100 CNC Circular Saw

The VM 100 is a heavy-duty CNC cold-cut circular saw with hydraulic clamping, built for high-speed clean cuts on tube, pipe and bar up to 100 mm.

The cold-saw process gives a square, burr-free cut that suits production work needing minimal finishing. Full specifications are available on request.

## SPECIFICATIONS

Type	Cold-cut circular saw	Automation	CNC
Cutting capacity (round)	100 mm	Warranty	12 months
Clamping	Hydraulic		

## APPLICATIONS

Cold-cut sawing

Tube and pipe cutting

Bar cutting

Production cutting

## INDUSTRIES

Metal fabrication

Production cutting

General engineering

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# VM 120 CNC Circular Saw

The VM 120 is the largest CNC cold-cut circular saw in the range, with hydraulic clamping for clean, high-speed cuts on tube, pipe and bar up to 120 mm.

Cold sawing produces a burr-free, square face that keeps secondary finishing to a minimum in production cutting. Full specifications are available on request.

## SPECIFICATIONS

Type	Cold-cut circular saw	Automation	CNC
Cutting capacity (round)	120 mm	Warranty	12 months
Clamping	Hydraulic		

## APPLICATIONS

Cold-cut sawing

Tube and pipe cutting

Bar cutting

Production cutting

## INDUSTRIES

Metal fabrication

Production cutting

General engineering

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