

CATALOGUE  
**INDUSTRY**

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INDUSTRY







# MEP GROUP

The MEP Group today represents the latest stage in the evolution of the know-how, technology and values that MEP has developed over a period of 50 years.

The MEP Group is present on all major markets and is a leader in those of most importance. The group has production plants in Italy, Canada, the USA and China which produce around 12,000 machines a year. MEP products are sold in over 50 nations around the world thanks to close collaboration with highly qualified local distributors and/or directly controlled subsidiaries (China and Brazil).

The MEP Group's extensive product range satisfies the needs of a wide variety of customers. The range includes manual, numeric control, semi-automatic and fully automatic machines with cutting capacities of up to 1500 mm.



HYDMECH LTD (CANADA)

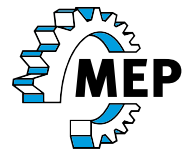
HYDMECH INC. (USA)

MEP SPA (ITALY)

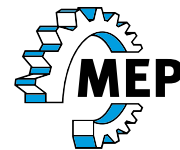
MEP DO BRASIL LTDA (BRAZIL)

# MEP AROUND THE WORLD

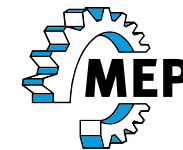
MEP (SUZHOU) CO. LTD  
(PR. CHINA)



**MEP SPA**  
Pergola (PU)  
Italy



**MEP DO BRASIL LTDA.**  
San Paolo - SP  
Brazil



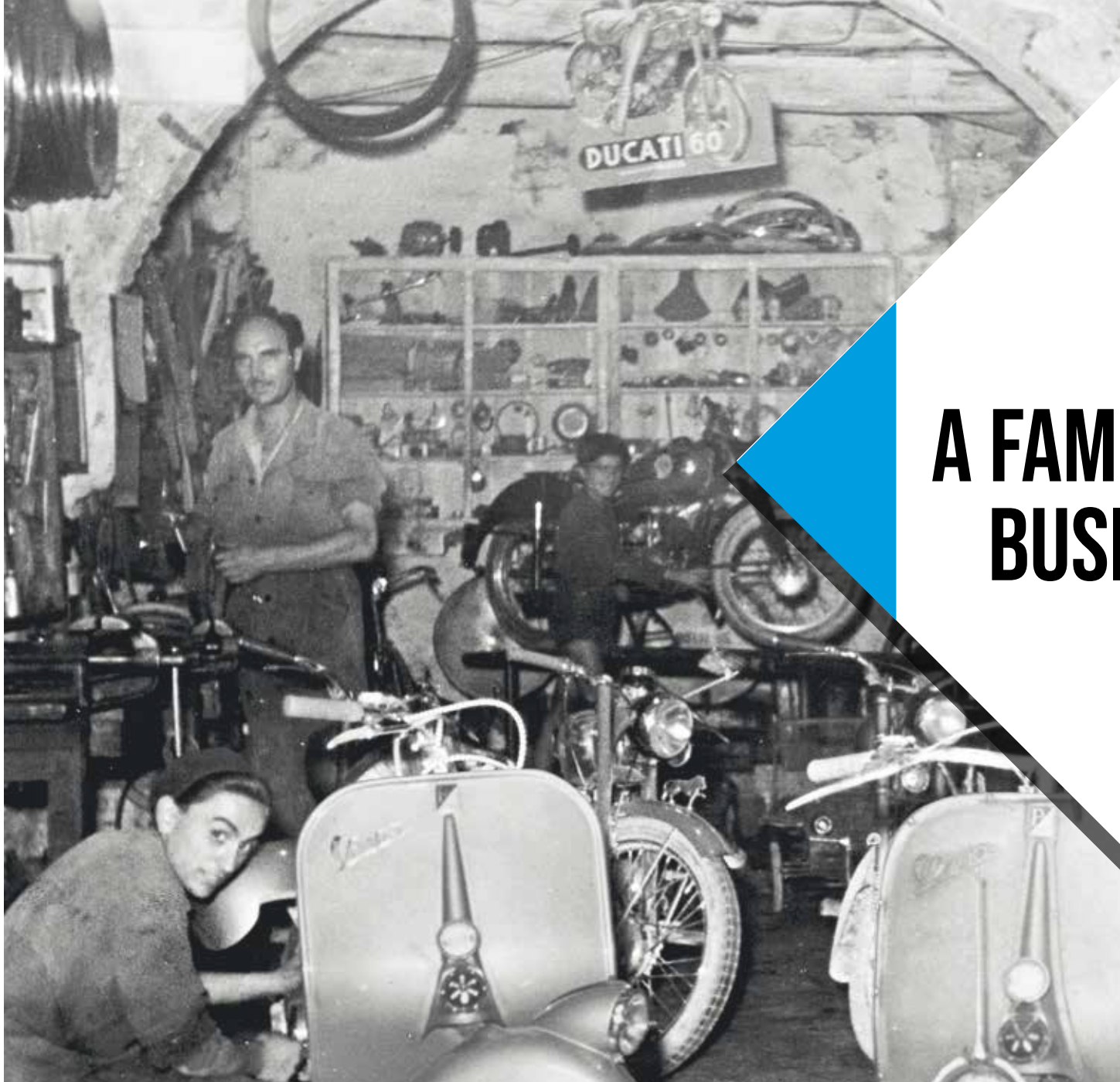
**MEP (SUZHOU) CO. LTD**  
Suzhou  
P.R. China



**HYDMECH**  
Woodstock, ON  
Canada



**HYDMECH INC.**  
Conway, AR  
USA



# A FAMILY BUSINESS



The TV 300 was MEP's first series-made abrasive disc cutting machine.

**WORKSHOP Enzo Magnani 1959**

# MADE WITH COMMITMENT AND PASSION

The MEP Group has firm roots in one of the many entrepreneurial families that thrive in a region rich in hard-working people, history and art.

It all began in a small workshop in the historical centre of Pergola, a town in the province of Pesaro-Urbino, in the Marche region of Italy.

Enzo Magnani began his career as a mechanic, exploiting the skills he had acquired with British and American forces based in Italy during the Second World War. The ingenuity he showed in his small workshop led to the creation of the first sawing machine, which proved so efficient that it was soon being ordered by small companies working in neighbouring towns. The business really began to expand when Enzo invited his son Ezio, still a young man, to join him.

Ezio, supported on the organisation side by Giampaolo Garattoni, another new partner, began boosting sales and also took over the technical development of products and processes, becoming a key figure for all involved.

Unfortunately, Enzo Magnani passed away at the age of only 52, and never saw the many future achievements of the company he had started.

His death was untimely indeed because the company was just beginning its journey down a road that would see it expand from a local business to a major global competitor, acquiring and forming various other companies to create the MEP Group.



ENZO MAGNANI



EZIO MAGNANI

## LEGEND



cutting mode AUTOMATIC

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cutting mode SEMI-AUTOMATIC

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cutting mode SEMI-AUTOMATIC DYNAMIC

---



cutting mode Cut Control System

---



cutting mode MANUAL

---



ELECTROHYDRAULIC

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ELECTROPNEUMATIC

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ELECTROMECHANIC

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## BANDSAWING MACHINES



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# SHARK

## 332 RC KONNECT

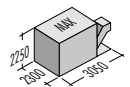
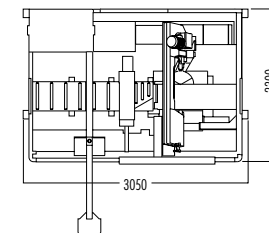
The SHARK 332 RC KONNECT band sawing machine, fully automatic and with programmable double cutting angle, maximizes safety and power for reliable performance and smart production.

- Automatic programmable double mitering band saw machine to cut any angle between  $-60^\circ$  e  $+60^\circ$ . The saw is powered by brushless motors and suitable to cut pipes, profiles and beams. It can also operate in semiautomatic mode.
- "Operator-free" concept: once material has been loaded on the saw, positioning of vices and saw head is done in automatic according to material size. This minimize the operator's programming and intervention times.
- Programmable automatic rotation of the saw head between  $-60^\circ$  and  $+60^\circ$  for symmetrical and asymmetrical cuts with brushless motor, which allows precise control in speed, torque and position.
- Powered outfeed guide to drive all the pieces cut, out of the saw.
- Pre-set cutting parameters according to geometry and type of material selected from the material library in the control.
- Saw head powered by servo motor, mounted on dual post and linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.



### OPTIONALS FROM PAG 27 - N° 01 - 03 - 21 - 22 - 25 - 29 - 47 - 59

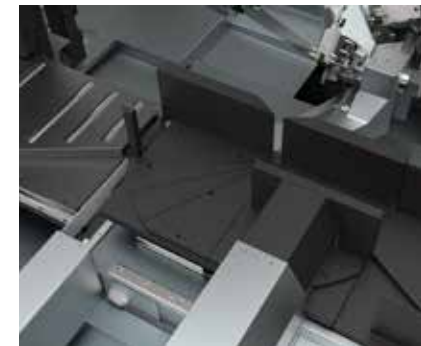
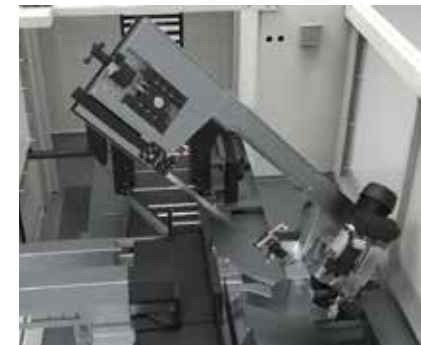
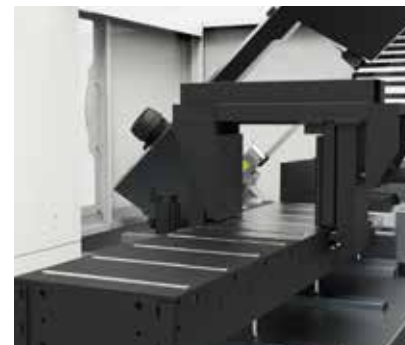
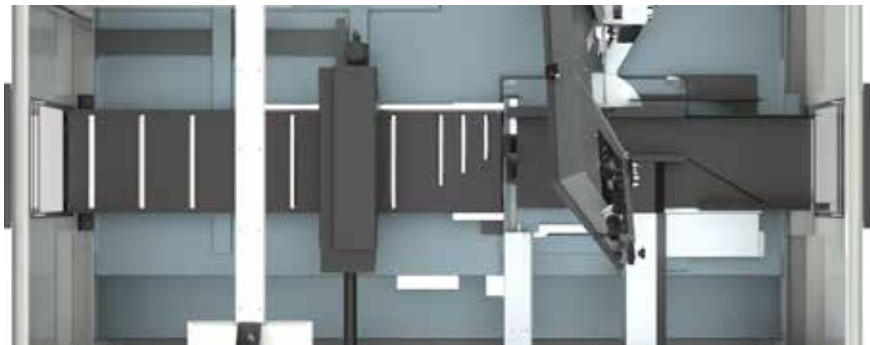
m/min	kW	kW	mm		mm	mm	mm	mm	kg	kW	l	kW	l	mm
15÷100	2.2	3.0	3770x27x0.9	0°	310	300	330x300	230x310	2800	1,1	70,0	2x0,15	140	330
				+45°	250	230	250x130	220x300						
				+60°	160	155	160x80	140x290						
				-45°	200	180	200x160	130x280						
				-60°	130	110	140x80	40x250						





- Self regulation in real time of head down feed rate trough brushless motor.
- Double vice for optimal bar management: the movable vice automatically positions itself according to the programmed cutting angles, reducing the machine set-up times; the fixed vice hold the material by clamping it properly once been fed.
- "Modular feeding system with 1500 mm stroke (repeatable to cut at any length); the rigid steel gantry structure and the brushless motor with transmission by pinion and helical teeth rack guarantee an accurate and precise positioning. It is possible to extend the stroke of the feeder to 3000 mm or 4500 mm. (OPTIONAL).
- Electronic transducer for blade tensioning, which guarantees a higher cutting precision and longer blade life.
- Electronic inverter for infinite variable band saw blade speed (from 15 to 100m/min).
- Latest generation hydraulic control unit, with high efficiency and low energy consumption.
- Structure in grey cast iron G25, reducing drastically vibrations, grant a better stability and longer blade life.
- Mechanical driven blade brush keeps the blade gullets clean, helping to maximaze blade

- performance and life.
- Coolant flood underneath rotating table to wash away metal chips.
- Designed for safety with "saw-in-a-box" style.
- Great accessibility to the saw either for set-up and maintenance and excellent visibility from any side.
- Panel PC control installed on an articulated arm to be easily moved, ensuring to control all commands in every operating position.
- Panel PC control, Quad core 2.0 GHz, 8 GB Ram, WINDOWS 10 and 17" touchscreen display with user-friendly graphic interface, which supports the operator in the preparation, optimization and processing of machining orders.
- Programmable plc up to 9999 different jobs which can be made in sequence.
- Remote service minimizes downtime and service costs.
- IOT - INDUSTRY 4.0 Ready.
- MES (optional)
- Machine preset for being handled by lift truck.
- Bi-metal band saw blade for solids and profiles.
- Keys, manual of instructions and for ordering spare parts.





# SHARK

## 350 NC HS 5.0

SHARK 350 NC HS 5.0, electrohydraulic automatic double-column bandsaw for 0° cuts on profiles and solid parts in structural, stainless and alloy steels, for dimension up and in between 350mm x 350mm.

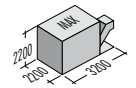
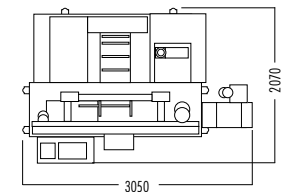
- Designed for safety with "saw-in-a-box" style.
- Great accessibility to the saw either for set-up, maintenance and blade change.
- Saw head powered by hydraulic cylinder, mounted on dual post and linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Motorized chip conveyor which can be mounted on the left or right hand side of the machine.
- Variable vice pressure allow to set the clamping force.
- Two vertical rollers assembled on the feeding vice to help align the material.
- Numeric controlled machine CNC MEP 50-Windows "CE" based, that has been specifically designed by MEP for the automation of its range of products.
- "CLEAN CUT" cycle: the feeding vice moves backwards the material once the cut has been completed. This eliminates any scratches caused by the blade during its return to its starting position.
- Field bus control system with double microprocessor with serial connection



OPTIONALS FROM PAG 27 - N° 01 - 02 - 03 - 04 - 17 - 18 - 19 - 20 - 25 - 29 - 43 - 49 - 51 - 52 - 59 - 67



	m/min	kW	kW	mm		mm	mm	kg	kW	l	kW	l	mm
STANDARD	15÷115	4,0	5,5	4640x34x1,1									
OPTIONAL	15÷200	5,5	11,0	4640x34x1,1	0°	350	350	2800	1,1	70,0	2x0,18	230	355
	15÷115	5,5	11,0	4640x41x1,3									
	15÷200	5,5	15,0	4640x41x1,3									

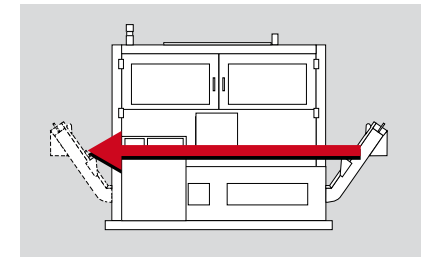




- 7" touch screen display operator interface and push buttons for all functions of the sawing machine. It is simple and intuitive, it guarantees a reliable use and it controls all cutting parameters in real time.
- Upper and lower saw head limits and bar feeder forward/backward, are set through a joy-stick according to dimension of the material.
- Programmable plc up to 100 different jobs which can be made in sequence.
- Pre-set cutting parameters according to geometry and type of material selected from the material library in the control.
- Structure in grey cast iron G25, reducing drastically vibrations, grant a better stability and longer blade life.
- Hydraulic power pack to power saw head, main and feeding vices.
- Electronic inverter for infinite variable band saw blade speed (from 15 to 115m/min).
- Bar feeder with stepper motor and ball screw. Multi-indexing up to 600mm in a single stroke with automatic blade kerf compensation.
- Rest piece that can no longer be fed in by the

- feeding vice : 120 mm.
- ( Optional feeding vice jaws in order to reduce the restpiece down to 25mm+cutting length).
- Blade deviation ( Optional)
- Self-aligning feeder vice unit for feeding even not straight bars
- Driving pulley locked by conical clamping ring to ensure a strong fastening allowing axial adjustment
- Software to control/assess/correct in real time:
- cutting force – cutting torque and band tensioning against the programmed values
- Moveable band saw blade guide on a vertical arm sliding on balls bearing linear guides. Blade driven by carbide pads and vertical anti-vibration rollers.
- Machine predisposed to install a mist lubrication system (OPTIONAL).
- Automatic blade tensioning trough servo motor.
- Automatic adjustment of the front blade-guide head according to the dimensions of the bars to be cut
- Work lamp and Laser projector to position the bar accurately to carry out non-standard or facing cuts
- Band rotation control with stop in real time in

- case of blade jammed.
- Mechanical driven blade brush keeps the blade gullets clean, helping to maximaze blade performance and life.
- Blade deviation (optional)
- Blade tensioning trough a servo system constantly monitorized during the cycle.
- Coolant tank inside the steel base with two electric pumps to lubricate and cool off the band saw blade.
- Two coolant pumps to ensure high cutting liquid quantities (120 l/min) to cool down the band saw blade and wash away chips from the working area, so as to guarantee a longer blade life.
- Wash gun to clean the working area
- Sound and flashing indicator for machine alarms.
- Machine preset for being handled by lift truck.
- Bi-metal band saw blade for solids and profiles.
- Service keys and instructions manual, for maintenance and spare parts list.





# SHARK

## 350 CNC HS 4.0













Shark 350 CNC HS 4.0, electro-mechanic double-column bandsaw for 0° cuts on structural, stainless and alloys steels, profiles and solid parts, with dimensions up to 350x350 mm.

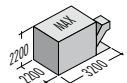
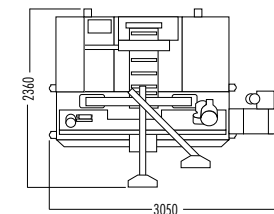
- Designed for safety with "saw-in-a-box" style.
- Great accessibility to the saw either for set-up, maintenance and blade change.
- Saw head powered by servo motor, mounted on dual post and linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Motorized chip conveyor which can be assembled on the left or right handside of the machine.
- Variable vice pressure allow to set the clamping force.
- Two vertical rollers assembled on the feeding vice to help align the material.
- CNC machine with MEP 40 controller that has been specifically designed by MEP for the automation of its range of products.
- Shark 350 CNC HS 4.0 is equipped with a controller with processor RISC 32 bit 200 MHz with integrated interface to:
  - Connect to an Ethernet network for the remote assistance service.
  - Get software updates and changes by e-mail, that are transferred to USB port by SD or MMC card and later on the control memory, through the suitable slot on the control console.



OPTIONALS FROM PAG 27 - N° 01 - 02 - 03 - 04 - 17 - 18 - 19 - 20 - 25 - 29 - 33 - 43 - 49 - 50 - 51 - 52 - 59 - 67



													
	m/min	kW	kW	mm		mm	mm	kg	kW	l	kW	l	mm
STANDARD	15÷115	5,5	11,0	4640x34x1,1									
OPTIONAL	15÷200	5,5	11,0	4640x34x1,1	0°	350	350	2800	1,1	70,0	2x0,18	230	355
	15÷115	5,5	11,0	4640x41x1,3									
	15÷200	5,5	15,0	4640x41x1,3									



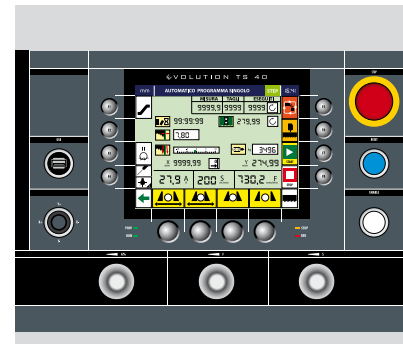


- Pre-set cutting parameters according to geometry and type of material selected from the material library in the control.
- When equipped with sensors (OPTIONAL) that read the beginning and end of the bar, the CNC control activates 3 cycles:
  - 1- PROGRESSIVE FEEDING CYCLE: cuts progressively all the length of pieces that are obtained in one stroke (600mm) which brings down cutting times.
  - 2- FEEDING REST PIECE CYCLE: the rest piece which no longer can be automatically fed is located by sensors and fed again.
  - 3- Cutting cycle "RECUPERATING REST PIECE" this cuts bars at the front and back having the back part of the bar sufficient in order to obtain the last length programmed but insufficient to complete the cut. The CNC control makes it possible to cut the scrap piece keeping blocked the good piece.
- CLEAN CUT CYCLE: the feeding vice moves backwards the material once the cut has been completed. This eliminates any scratches caused by the blade during its return to its starting position.
- 8" touch screen display operator interface and pushbuttons for all functions of the sawing machine. It is simple and intuitive with a self-learning feature, it guarantees a reliable use and it controls all cutting parameters in real time.
- Upper and lower saw head limits and bar feeder forward/backward, are set through a joy-stick according to dimension of the material.

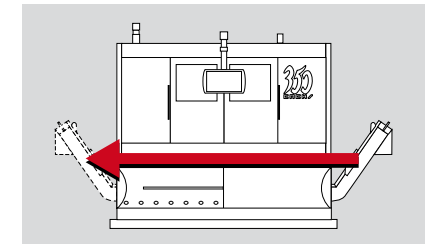


- Programmable plc up to 300 different jobs which can be made in sequence.
- Structure in grey cast iron g25, reducing drastically vibrations, grant a better stability and longer blade life.
- Cutting head downfeed movement with brushless motor and 40 mm diameter pre-loaded ball bearings in order to obtain the maximum rigidity during the cut and to control and check the cutting parameters inputted in real time.
- Hydraulic power pack to power saw head, main and feeding vices.
- Electronic inverter for infinite variable band saw blade speed (from 15 to 115m/min).
- Bar feeder with stepper motor and ball screw. Multi-indexing up to 600mm in a single stroke with automatic blade kerf compensation.
- Minimum bar remnant of 120 mm in automatic operation. (OPTIONAL feeder jaws to reduce the remnant to min. 25 mm)
- Self-aligning feeder vice unit for feeding even not straight bars.
- Driving pulley locked by conical clamping ring to ensure a strong fastening still allowing axial adjustment.
- Software to control/assess/correct in real time:
  - cutting force – cutting torque and band tensioning against the programmed values.

- Low voltage control panel installed on a rotating arm to reach the positions to operate safely still keeping the visual control.
- Moveable band saw blade guide on a vertical arm sliding on balls bearing linear guides. Blade driven by carbide pads and vertical anti-vibration rollers.
- Automatic blade tensioning trough servo motor.
- Automatic adjustment of the front blade-guide head according to the dimensions of the bars to be cut.
- Work lamp and Laser projector to position the bar accurately to carry out non-standard or facing cuts.
- Band rotation control with stop in real time in case of blade jammed.
- Blade tensioning trough a servo system constantly monitored during the cycle.
- Blade deviation (OPTIONAL)
- Coolant tank inside the steel base with two electric pumps to lubricate and cool off the band saw blade.
- Two coolant pumps to ensure high cutting liquid quantities (120 l/min) to cool down the band saw blade and wash away chips from the working area, so as to guarantee a longer blade life.
- Wash gun to clean the working area.
- Mechanical driven blade brush keeps the blade gullets clean, helping to maximize blade performance and life.
- Sound and flashing indicator for machine alarms.
- Machine preset for being handled by lift truck.



- Bi-metal band saw blade for solids and profiles.
- Service keys and instructions manual, for maintenance and spare parts list.





# SHARK

## 460 KONNECT

Shark 460 KONNECT, dual column automatic band saw suitable for cutting fabrication, stainless and alloy steel, solid and profile, with max size of 460x460mm.

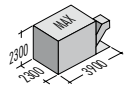
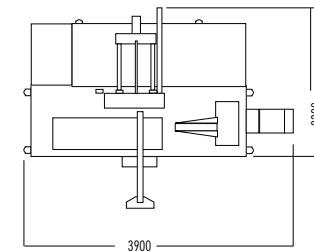
- Dual column automatic band saw SHARK 460 KONNECT is the right solution in case high precision and accuracy is required on large size materials.
- Designed for safety with "saw-in-a-box" style.
- Great accessibility to the saw either for set-up, maintenance and blade change.
- "Operator-free" concept: once material has been loaded on the saw, positioning of vices and saw head is done in automatic according to material size. This minimize the operator's programming and intervention times.
- Panel PC control, Quad core 2.0 GHz, 8 GB Ram, WINDOWS 10 and 17" touchscreen display with user-friendly graphic interface, which supports the operator in the preparation, optimization and processing of machining orders.



OPTIONALS FROM PAG 27 - N° 01 - 02 - 03 - 04 - 17 - 18 - 25 - 29 - 33 - 59 - 61 - 62 - 63 - 64 - 67



m/min	kW	kW	mm	kW	l	kW	l	mm	mm	mm	kg	
15÷200	11	15	6350x41x1,3	1,5	60	2x0,18	285	470	0°	460	460	4600

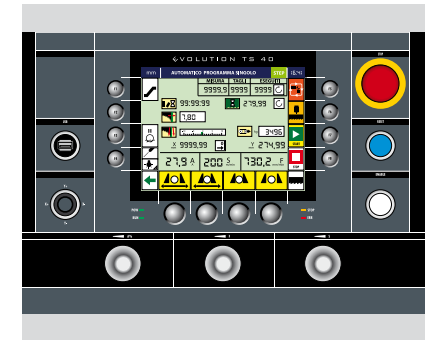
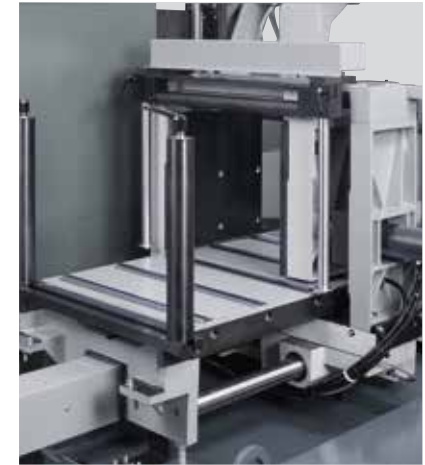




- Structure in grey cast iron G25, reducing drastically vibrations, grant a better stability and longer blade life.
- Saw head powered by servo motor, mounted on dual post and linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Self regulation in real time of head down feed rate trough brushless motor.
- Hydraulic power pack to power saw head, main and feeding vices.
- Electronic inverter for infinite variable band saw blade speed (from 15 to 100m/min).
- Bar feeder with stepper motor and ball screw. Multi-indexing up to 600mm in a single stroke with automatic blade kerf compensation.
- Self-aligning feeder vice unit for feeding even strained bars.
- Minimum bar remnant of 120 mm in automatic operation. (OPTIONAL feeder jaws to reduce the remnant to min. 30 mm)
- Driving pulley locked by conical clamping ring to ensure a strong fastening.

- Low voltage control panel installed on a rotating arm to reach the positions to operate safely still keeping the visual control.
- Moveable band saw blade guide on a vertical arm sliding on balls bearing linear guides. Blade driven by carbide pads and vertical anti-vibration rollers.
- Automatic blade tensioning trough servo motor.
- Automatic adjustment of the front blade-guide head according to the dimensions of the bars to be cut.
- Blade deviation.
- Laser projector to position the bar accurately to carry out non-standard or facing cuts.
- Band rotation control with stop in real time in case of blade jammed.
- Blade tensioning trough a servo system constantly monitored during the cycle.
- Coolant tank inside the steel base with two electric pumps to lubricate and cool off the band saw blade.
- Two coolant pumps to ensure high cutting liquid quantities (120 l/min) to cool down the band saw blade and wash away chips from the working area, soas to guarantee a longer blade life.

- Wash gun to clean the working area.
- Blade brush.
- Chip conveyor.
- Sound and flashing indicator for machine alarms.
- Machine preset for being handled by lift truck.
- Bi-metal band saw blade for solids and profiles.
- Service keys and instructions manual, for maintenance and spare parts list.







# SHARK

## 660 CNC HS 4.0

Shark 660 CNC HS 4.0, electro-mechanic double-column bandsaw for 0° cuts on structural, stainless, alloy steels, profiles, solid parts and profiles with dimensions up to 660x660mm.

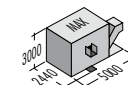
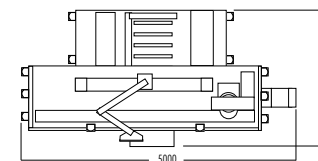
- Designed for safety with "saw-in-a-box" style.
- Great accessibility to the saw either for set-up, maintenance and blade change.
- CNC machine with a new controller: MEP 40. It has been specifically designed by MEP for the automation of its range of products.
- This sawing machine also features a semiautomatic cutting cycle and uses latest generation technologies; indeed, Shark 660 CNC HS 4.0 is equipped with a NEW controller with processor RISC 32 bit 200 MHz with integrated interface to:
  - Connect to an Ethernet network for the remote assistance service.
  - Get software updates and changes by e-mail, that are transferred to USB port by SD or MMC card and later on the control memory, through the suitable slot on the control console.
  - Pre-set cutting parameters according to geometry and type of material selected from the material library in the control.



OPTIONALS FROM PAG 27 - N° 1 - 2 - 3 - 4 - 20 - 25 - 40 - 41 - 59 - 67



m/min	kW	kW/A	mm	kW	l	kW	l	mm	mm	kg		
15÷200	15,0	22,0/47	STANDARD 8400x54x1,6 OPTIONAL 8400x67x1,6	3,7	72	2x0,37	340	670	0°	660	660	9000





- 8" touch screen display operator interface and push buttons for all functions of the sawing machine. It is simple and intuitive, with a self-learning feature it guarantees a reliable use and it controls all cutting parameters in real time.
- Automatic acquisition of the actual starting point of the cut.
- Programmable plc up to 300 different jobs which can be made in sequence.
- Structure in grey cast iron G25, reducing drastically vibrations, grant a better stability and longer blade life.
- Cutting head downfeed movement with 2 brushless motors and with pre-loaded ball bearings, with hydraulic compensation of the cutting head.
- The cutting head movement is with linear guides and pre-loaded ball bearings pre-loaded slides.
- Hydraulic power pack to power saw head, main and feeding vices.
- Electronic inverter for infinite variable band saw blade speed (from 15 to 200 m/min).



- Bar feeder with stepper motor and ball screw. Multi-indexing up to 760mm in a single stroke with automatic blade kerf compensation.
- Self-aligning feeder vice unit for feeding even strained bars.
- Minimum bar remnant in automatic mode: 70mm.
- Driving and idler pulley locked by conical clamping ring.
- Software to control/assess/correct in real time:
  - cutting force – cutting torque and band tensioning against the programmed values.
- Control panel, with an adjustable frame, assembled on a rotating arm.
- Moveable band saw blade guide on a vertical arm sliding on balls bearing linear guides. Blade driven by carbide pads and vertical anti-vibration rollers.
- Automatic blade tensioning trough servo motor.
- Automatic adjustment of the front blade-guide head according to the dimensions of the bars to be cut.
- Blade deviation device.



- Laser projector to position the bar accurately to carry out non-standard or facing cuts.
- Band rotation control with stop in real time in case of blade jammed.
- Blade tensioning trough a servo system constantly monitored during the cycle.
- Coolant tank inside the steel base with two electric pumps to lubricate and cool off the band saw blade.
- Blade cooling with lubricating oil by means of two coolant pumps. Each pump has a 120l/min flow rate.
- Wash gun to clean the machine.
- Powered blade brush.
- Chip conveyor.
- Sound and flashing indicator.
- Bi-metal band saw blade for solids and profiles.
- Service keys and instructions manual, for maintenance and spare parts list.





# SHARK

## 512 SXI EVO

SHARK 512-1 SXI evo, semi-automatic electro-hydraulic sawing machine with 4650x34x1,1 mm band, to cut pipes, profiles and beams up to 510x320 mm at 0°.

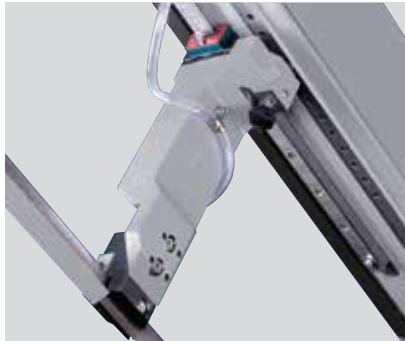
- Extremely versatile machine mitering in between -60° and +60°.

SEMI-AUTOMATIC CYCLE: the vice closes and the motor starts - the head goes down to execute cut - motor stops - head returns to top position and vice opens.

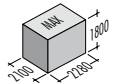
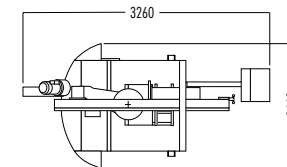
- CYCLE DOWN UP : Operating in semiautomatic cycle, the new function DOWN makes the head and blade motor stop once the cut is finished with the vice closed, by pressing the UP button the head raises back to its starting point and the vice opens.



OPTIONALS FROM PAG 27 - N° 01 - 02 - 03 - 07 - 11 - 12 - 31 - 53 - 54 - 55 - 59



mm	kW	m/min	mm	kg	Cutting Capacity			
					0°	O	H	L
4640x34x1,1	4,0	15÷100	515	1190	0°	330	320	510x320
					+ 45°	320	320	350x320
					+ 60°	230	230	220x310
					- 45°	320	320	350x320
					- 60°	250	250	240x320





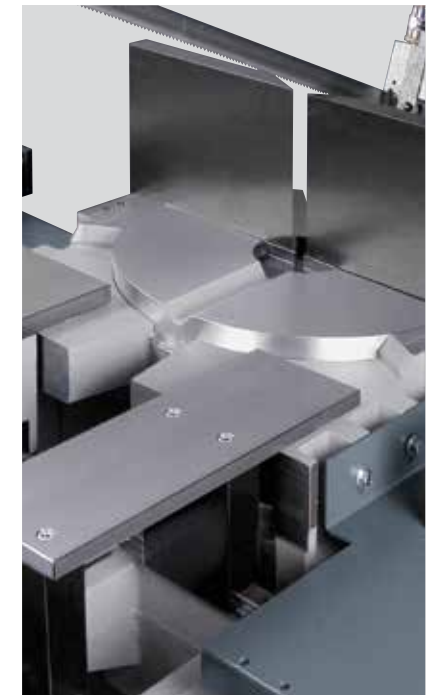
- Low voltage control panel installed on an articulated arm.
- Latest generation hydraulic unit, with high efficiency and low energy consumption.
- The headstroke, according to the dimensions of the material which has to be cut, is set directly from the control panel.
- Structure in grey cast iron G25, reducing drastically vibrations, grant a better stability and longer blade life.
- Low voltage control panel installed on an articulated arm.
- Display for the following messages: + Diagnostic (messages in the use language). + Alarms (cause description). + Input and output status. + total cutting time + Single cut time + Blade amperage + Blade tension. + Blade speed. + Head position.



- Electronic inverter for infinite variable band saw blade speed (from 15 to 100m/min).
- Rotating table mounted on a 280mm roller bearing, pre-loaded with thrust bearing with a wide supporting surface for the max safety.
- The bar support with roller, on the left of the cutting table, slides on linear guide with ball recirculation, so that it can be easily moved to cut up to the max. angles without any disassembly.
- Hydraulic vice sliding sideways when the machine mitre left or right. Fast material approach device.
- Manually-operated blade tensioning through electronic transducer displayed on the console.
- Moveable band saw blade guide on a vertical arm sliding on balls bearing linear guides.



- Wire chip brush.
- Electric pump for the band lubrication and cooling.
- Coolant pistol to keep working surfaces clean.
- Coolant tank inside the steel base and chip drawer.
- Machine preset for being handled by lift truck.
- Bi-metal band saw blade for solids and profiles.
- Service keys and instructions manual for maintenance and spare parts list.





# SHARK

## 652 SXI H 5.0

SHARK 652 SXI H 5.0, dual column electro-hydraulic band saw, equipped with blade 6700x41x1,3mm specifically designed to cut pipes and beams up to max 650x450mm at 0° and can miter from +60° up to -60°.

The machine is available in two versions both equipped with a touch screen and the latest MEP controller which is designed exclusively for all our sawing machines.

- MANUAL POSITIONING (manual rotation of the head with a hand lever and a hydraulic brake to lock the head into position; the cutting angle is visualized on a display).

- AUTOMATIC POSITIONING (programming of the cutting angle from the electrical panel with automatic hydraulic locking system).

In the AUTOMATIC POSITIONING feature the cutting angle is determined by means of a gear/chain system and 2 cutting cycles are available.










A) Automatic cycle for mitre at one angle only;

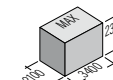
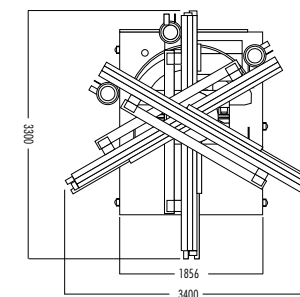
B) Automatic cycle for mitre at two angles programmable from main control.

To make the angle setting easier both versions A and B can be equipped with a pair of pop-up hydraulic rollers (one for the infeed and one for the outfeed). This avoids the material scraping onto the turn table when mitering (OPTIONAL).



OPTIONALS FROM PAG 27 - N° 01 - 02 - 03 - 04 - 29 - 36 - 37 - 59 - 65 - 66 - 67

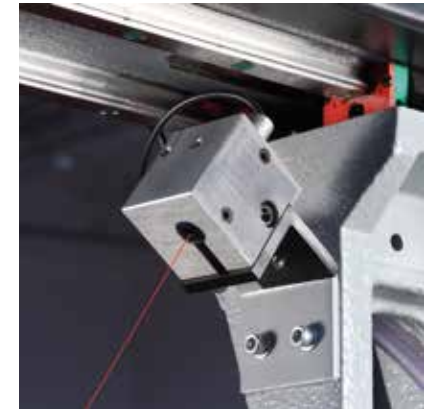
									
	mm	kW	m/min	mm	kg	0°	+45°	H	L
652 SXI H 5.0	6700x41x1,3	9,2	15÷150	650	3300	650x450	400x450	250x450	400x450
						250x450	400x450	400x450	250x450
						250x450	250x450	250x450	250x450





- Structure in grey cast iron G25, reducing drastically vibrations, grant a better stability and longer blade life.
- Powerful 9,2 kw (15hp) blade motor with vectorial inverter in order to continuously adjust the blade speed in a single range from 15 to 150m/min.
- Powerful coolant flows to wash the cutting area and to convey chips away.
- Work light and laser projector to position the bar accurately in order to carry out non-standard or facing cuts.
- Saw head stroke by means of double hydraulic cylinders on linear guides with ball-bearings and pre-loaded slides (3° canted head to make the chip removal easier for horizontal walls).
- Self-adjustment cutting force by means of a servo valve mounted on the hydraulic cylinder.
- Latest generation hydraulic control unit, with high efficiency and low energy consumption.

- 7" touch screen.
- Two hydraulic cutting vises to clamp the material on both sides and one vertical hydraulic cylinder.
- Automatic adjustment of the front guide arm in relation to the capacity that needs to be cut.
- Moveable band saw blade guide on a vertical arm sliding on balls bearing linear guides. Blade driven by carbide pads and vertical anti-vibration rollers.
- Blade tensioning trough a servo system constantly monitored during the cycle.
- Three coolant pumps to ensure high coolant flood (120 l/min) to cool down the blade and wash away chips from the working area.
- Mechanical driven blade brush keeps the blade gullets clean, helping to maximaze blade performance and life.
- Belt chip conveyor ( Optional).
- Machine preset for being handled by lift truck.
- Bi-metal band saw blade for solids and profiles.





# TIGER

## 372 CNC LR 4.0













TIGER 372 CNC LR 4.0, automatic electromechanical vertical sawing machine with HSS blade which can operate also in semi-automatic mode, to cut steels from -45° to +60°.

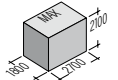
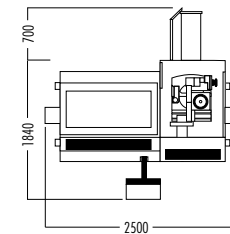
- CNC machine with a new controller: MEP 40. It has been specifically designed by MEP for the automation of its range of products, to obtain, on the same bar or on the material located on the loading magazine CB6001 (OPTIONAL), up to 300 cutting programs each of different lengths and quantities.
- CB 6001 for high production for round square and rectangular bars up to the maximum cutting dimensions indicated on the brochure. The CB6001 must be ordered together with the machine.



OPTIONALS FROM PAG 27 - N° 01 - 02 - 05 - 07 - 13 - 15 - 20 - 25 - 29 - 32 - 38 - 39 - 44 - 45 - 56 - 57 - 58 - 59 - 60



													
	mm	kW	rpm	mm	0°	370	120	110	180x100	120	110	180x100	kg
OPTIONAL	HSS 350x32x3	5,0	15÷150	190	+ 45°	370	115	100	120x100	70	70	70x70	1060
					+ 60°	370	110	90	90x90	50	50	50x50	
					- 45°	370	115	100	120x100	70	70	70x70	

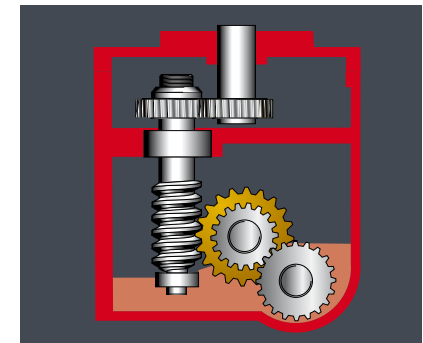


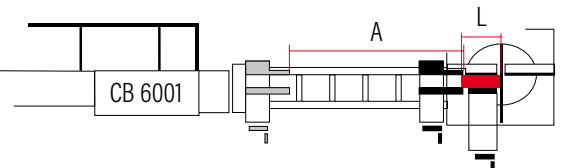




- Panel with low tension controls: polyester membrane keypad with tactile thermo-shaped buttons which give out an acoustic signal when pressed.
- 8" touch screen display operator interface and push buttons for all functions of the sawing machine. It is simple and intuitive with a self-learning feature it guarantees a reliable use and it controls all cutting parameters in real time.
- Upper and lower saw head limits and bar feeder forward/backward, are set through a joy-stick according to dimension of the material.
- Transmission system at 3 stages so as to guarantee high sturdiness, precision and to obtain high removal capacities.
- Designed for safety with "saw-in-a-box" style.
- Possibility to work with high quantity of cutting

- liquid (120 liters/min) to cool blade, to wash the working area continuously and to convey chips guaranteeing in this way longer blade life.
- Sawing head movement on double linear guides with preloaded slides with pre-loaded ball bearings.
- Saw head powered by servo motor, mounted on linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Blade rotation with one speed motor with electronic speed variator so as to cut from 15 up to 150 rpm to obtain the best cutting efficiency.
- Wire chip brush for band cleaning.
- Rotation pin with preloaded thrust bearing to grant rotation precision and stability.
- Bar feeder has a length of 1000 mm and consists in a system given by screw/nut with pre-loaded

- ball bearings with stepper motor and vice with sideways movement so as to feed in also deformed bars.
- Pneumatic locking vice with adjustable steel gib.
- Pneumatic vertical vice.
- Special vice to reduce restpiece.
- Steel base with drawer to collect chips which can be replaced with a motorized chip evacuator (see optionals).
- Machine preset for being handled by lift truck.
- Circular blade  $\varnothing$  370 mm.
- Service keys and instructions manual for maintenance and spare parts list.



	A	L
	feeder stroke MAX mm	restpiece MAX mm
TIGER 372 CNC LR 4.0	1000	170
TIGER 372 CNC LR 4.0 + CB 6001	1000	180
TIGER 372 CNC LR 4.0 (RB + 45°- 0°- 45°  )	900	270
TIGER 372 CNC LR 4.0 (RB + 45°- 0°- 45°  ) + CB 6001	900	280







# TIGER

## 372 CNC LR 4.0 RC

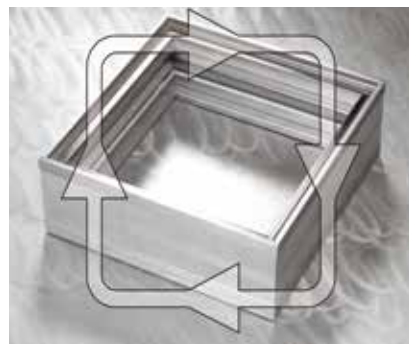
TIGER 372 CNC LR 4.0 RC, ferrous circular saw with HSS blade for any kind of steel, with programmable head mitering trough MEP40 CNC controller.













- Automatic vertical circular saw powered by brushless motor mitering from  $-45^\circ$  to  $+45^\circ$  (see picture A) and up to  $+60^\circ$  in semiautomatic mode.

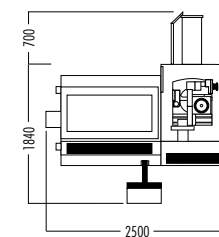
This machine can be equipped with the bar loader CB6001 (OPTIONAL) for rounds, square and rectangle materials according to technical specifications. It can also be retrofitted.



OPTIONALS FROM PAG 27 - N° 01 - 02 - 05 - 07 - 08 - 20 - 25 - 29 - 38 - 45 - 58 - 59 - 60



												
			$0^\circ$	$0^\circ$	370	120	95	180x95	120	95	180x95	
mm	kW	rpm	mm	$+45^\circ$	370	115	100	120x100	70	70	70x70	kg
HSS	5,5	15÷150	190	$+60^\circ$	370	110	90	90x90	50	50	50x50	
				$-45^\circ$	370	115	100	120x100	70	70	70x70	1060





- 8" touch screen display operator interface and push buttons for all functions of the sawing machine. It is simple and intuitive with a self-learning feature it guarantees a reliable use and it controls all cutting parameters in real time.
- Saw head mitering with high precision positioning (max 1' of degree) powered by a brushless motor and pneumatic locking of saw head once positioned.
- Saw head powered by servo motor, mounted on linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Upper and lower saw head limits and bar feeder forward/backward, are set through a joy-stick according to dimension of the material.
- Transmission system at 3 stages so as to guarantee high sturdiness, precision and to obtain high removal capacities.
- Designed for safety with "saw-in-a-box" style.
- Possibility to work with high quantity of cutting liquid (120 liters/min) to cool blade, to wash the working area continuously and to convey chips guaranteeing in this way longer blade life.
- Sawing head movement on double linear guides

- with preloaded slides with pre-loaded ball bearings.
- Blade rotation with one speed motor with electronic speed variator so as to cut from 15 up to 150 rpm to obtain the best cutting efficiency.
- Wire chip brush for band cleaning.
- Rotation pin with preloaded thrust bearing to grant rotation precision and stability.
- Bar feeder has a length of 1000 mm and consists in a system given by screw/nut with pre-loaded ball bearings with stepper motor and vice with sideways movement so as to feed in also deformed bars.
- Pneumatic locking vice with adjustable steel gib.
- Pneumatic vertical vice.
- Steel base with drawer to collect chips which can be replaced with a motorized chip evacuator (see optionals).
- Machine preset for being handled by lift truck.
- Circular blade  $\varnothing 370$  mm.
- Service keys and instructions manual for maintenance and spare parts list.

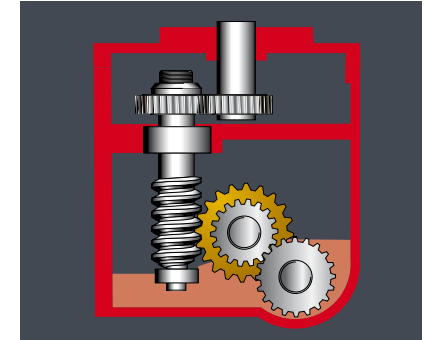
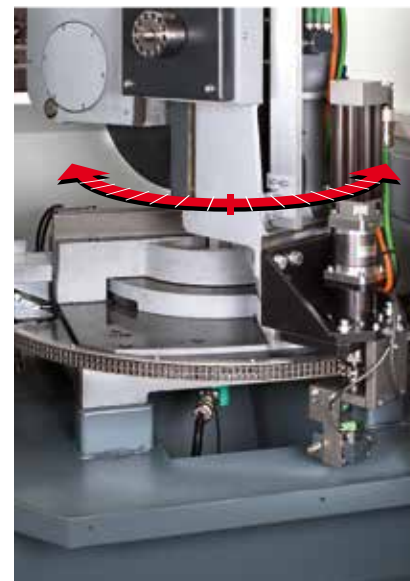
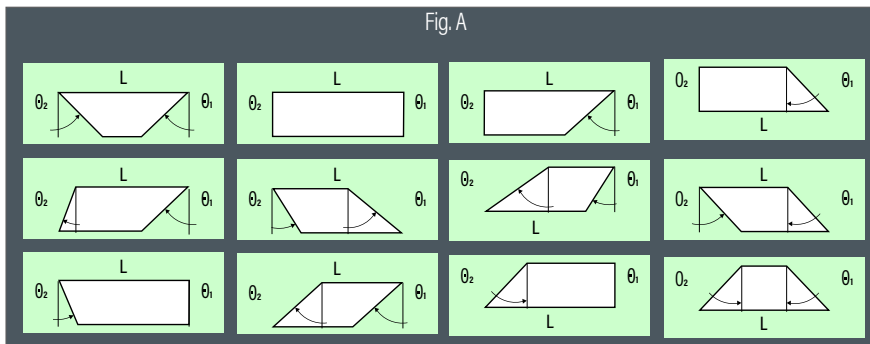


Fig. A





# TIGER

## 402 CNC HR 4.0










TIGER 402 CNC HR 4.0, automatic electro-pneumatic vertical sawing machine to cut aluminium and light alloys from -45° to +60°.

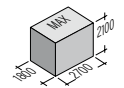
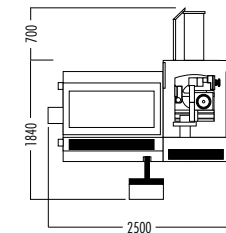
- CNC machine with a new controller: MEP 40. It has been specifically designed by MEP for the automation of its range of products, to obtain, on the same bar or on the material located on the loading magazine CB6001 (OPTIONAL), up to 300 cutting programs each of different lengths and quantities.
- CB 6001, for high production, for round, square and rectangular bars up to the maximum cutting dimensions indicated on the brochure. The CB6001 must be ordered together with the machine.
- Designed for safety with "saw-in-a-box" style.



OPTIONALS FROM PAG 27 - N° 01 - 02 - 06 - 07 - 08 - 14 - 16 - 20 - 25 - 27 - 30 - 35 - 38 - 39 - 45 - 56 - 57 - 58 - 59 - 60



								
mm	kW	rpm	mm	°	∅	mm	mm	kg
HM 400x32	3,3/4,4	1400/2800	185	0°	400	130	120	180x100
				+ 45°	400	115	100	120x100
				+ 60°	400	115	90	90x90
				- 45°	400	115	100	120x100



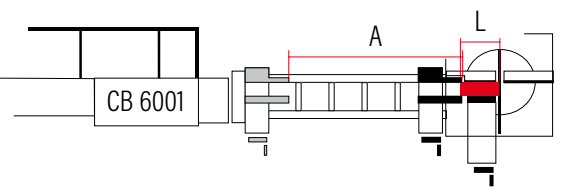


- 8" touchscreen display operator interface and push buttons for all functions of the sawing machine. It is simple and intuitive with a self-learning feature, it guarantees a reliable use and it controls all cutting parameters in real time.
- Panel with low tension controls: polyester membrane keypad with tactile thermo-shaped buttons which give out an acoustic signal when pressed.
- Upper and lower saw head limits and bar feeder forward/backward, are set through a joy-stick according to dimension of the material.
- Sawing head movement on double linear guide with preloaded slides with pre-loaded ball bearings.
- Head down stroke by means of pneumatic cylinder with coaxial hydraulic brake to obtain the maximum cutting rigidity.

- Saw head powered by pneumatic cylinder, mounted on linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Transmission system by pulleys and belts.
- Blade rotation with 2-speed motor at 1400/2800 rpm.
- Automatic device to lubricate the blade only when the machine is cutting.
- Rotation pin with thrust bearing to grant rotation precision and stability.
- Bar feeder has a length of 1000 mm and consists in a system given by screw/nut with recirculating ballscrews with stepper motor and vice with sideways movement so as to feed in also deformed bars.
- Chip conveyor predisposed to mount optional chip collector.

- Pneumatic double locking vice.
- Pneumatic vertical vice.
- Indicator with flashing light in case cycle is stopped.
- Machine arranged for handling with movement equipment.
- Machine preset for being handled by lift truck.
- Circular blade Ø 400 mm.
- Service keys and instructions manual for maintenance and spare parts list.



	A	L
	feeder stroke	restpiece
	MAX mm	MAX mm
TIGER 402 CNC HR 4.0	1000	260
TIGER 402 CNC HR 4.0 + CB 6001	900	275
TIGER 402 CNC HR 4.0 (RB + 45°- 0°- 45°)	1000	260
TIGER 402 CNC HR 4.0 (RB + 45°- 0°- 45°) + CB 6001	900	275





# TIGER

## 402 CNC HR 4.0 RC










TIGER 402 CNC HR 4.0 RC, non-ferrous circular saw with TCT blade for aluminium and alloys, with programmable head mitering trough MEP CNC 40 controller.

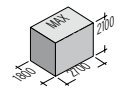
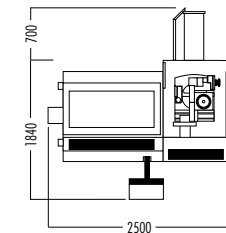
- Automatic vertical circular saw powered by brushless motor mitering from  $-45^\circ$  to  $+45^\circ$  (see picture A) and up to  $+60^\circ$  in semiautomatic mode. This machine can be equipped with the bar loader CB6001 (OPTIONAL) for rounds, square and rectangle materials according to technical specifications. It can also be retrofitted.
- Designed for safety with "saw-in-a-box" style.



OPTIONALS FROM PAG 27 - N° 01 - 02 - 06 - 07 - 08 - 20 - 25 - 27 - 30 - 38 - 45 - 58 - 59 - 60



									
mm	kW	rpm	mm	0°	400	130	120	180x100	
HM 400x32	3,3/4,4	1400/2800	185	+ 45°	400	115	100	120x100	kg 1060
				+ 60°	400	115	90	90x90	
				- 45°	400	115	100	120x100	



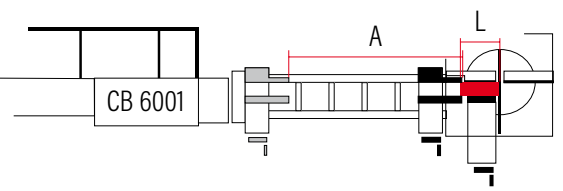




- 8" touch screen display operator interface and push buttons for all functions of the sawing machine. It is simple and intuitive with a self-learning feature it guarantees a reliable use and it controls all cutting parameters in real time.
- Saw head mitering with high precision positioning (max 1' of degree) powered by a brushless motor and pneumatic locking of saw head once positioned.
- Saw head powered by servo motor, mounted on linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Upper and lower saw head limits and bar feeder forward/backward, are set through a joy-stick according to dimension of the material.
- Sawing head movement on double linear guide with preloaded slides with pre-loaded ball bearings.

- Head down stroke by means of electromechanical cylinder to obtain the maximum cutting rigidity.
- Saw head powered by servo motor, mounted on linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Transmission system by pulleys and belts.
- Blade rotation with 2-speed motor at 1400/2800 rpm.
- Automatic device to lubricate the blade only when the machine is cutting.
- Rotation pin with thrust bearing to grant rotation precision and stability.
- Bar feeder has a length of 1000 mm and consists in a system given by screw/nut with pre-loaded ball bearings with stepper motor and vice with sideways movement so as to feed in also deformed bars.

- Machine base with chip tray and equipped to connect chip collector (optional).
- Pneumatic double locking vice.
- Pneumatic vertical vice.
- Indicator with flashing light in case cycle is stopped.
- Machine preset for being handled by lift truck.
- Circular blade Ø 400 mm.
- Service keys and instructions manual for maintenance and spare parts list.



	A	L
	feeder stroke	restpiece
	MAX mm	MAX mm
TIGER 402 CNC HR 4.0	1000	260
TIGER 402 CNC HR 4.0 + CB 6001	900	275
TIGER 402 CNC HR 4.0 (RB + 45°- 0°- 45°  )	1000	260
TIGER 402 CNC HR 4.0 (RB + 45°- 0°- 45°  ) + CB 6001	900	275

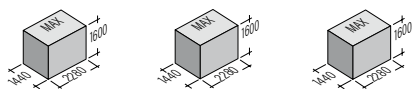




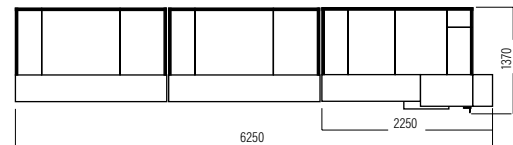
# CB 6001

CB 6001 BAR CHUTE LOADING MAGAZINE 6000 MM FOR MEP SAWING MACHINE MODEL TIGER 372 CNC LR 4.0 and TIGER 402 CNC HR 4.0.

CB 6001 - Since this unit has a maximum load of 2400 kg (8 bars of round solid with a diameter of 80 mm) we recommend to fix it to the floor so as to avoid even minimum unalignments.



bar	mm	kg	kW	2-5 mm			mm	mm	mm	kg
				mm	mm	mm				
6	6000	2400	0,37	20÷100	20÷100	130x10÷100	20÷80	20÷80	130x10÷35	850



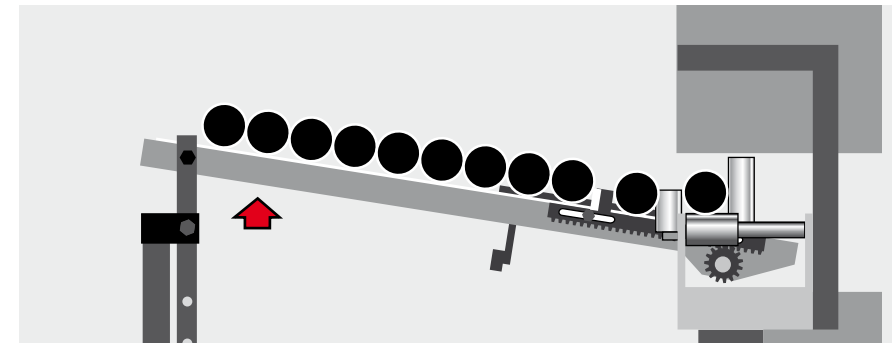
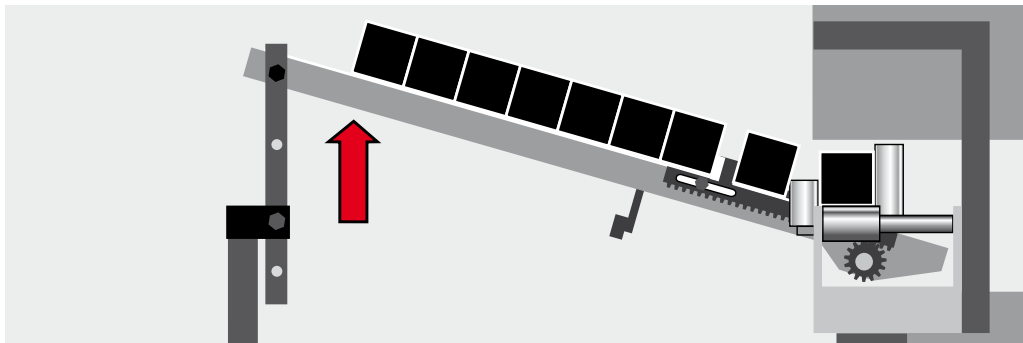


**A FEW FEATURES:**

- This accessory allows you to cut in sequence all the bars which are positioned onto the chute of the loading magazine and consequently the machine can work, even for a long time, without the presence of the operator.
- The CB 6001 has a 80-cm bed where the inclination can be regulated. It can be loaded till it is full with round, square and rectangular solids or sections up to the maximum dimensions indicated in the feature table.

- When a restpiece which cannot be cut remains in the machine, the loading magazine sends forward a new bar pushing out the restpiece. The new bar is positioned for the face cut which isn't counted on the cuts made.
- The CB 6001 has a sturdy tubular steel structure which is partially demountable for ease in transport.
- The transmission mechanisms (gears and racks), as well as the system to feed in bars individually, are made out of steel.
- The CB 6001 can be ordered together with the

- sawing machine or afterwards, on condition that the machine has been ordered together with the accessory "equipped to mount CB 6001 w/vice to reduce restpiece".
- The CB 6001 requires a 6 BAR air supply and the motor is powered by the controller of the sawing machine itself.
- Cutting materials which have a certain wall thickness generate also a lot of chips; for this reason, we recommend to equip the sawing machine with a motorized chip evacuator.





# OPTIONALS



1

Emulsible oil Lt. 5



2

Spray mist system



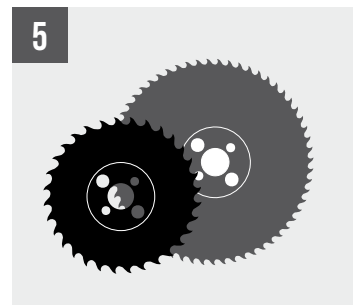
3

Bi-metal band



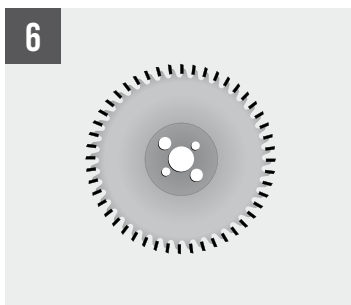
4

Band with electowelded hard metal plates



5

Circular blade HSS



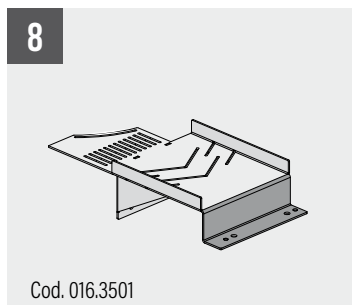
6

Circular blade HM



7

Supplementary foot pedal control w/ emergency stop



8

Cod. 016.3501

TIGER 372- 402 Adapter for unloading table



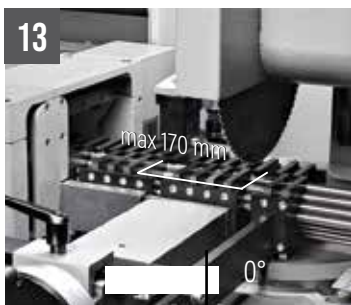
11

SHARK SXI evo Hydraulic vice pressure adjuster



12

Shark 512 SXI evo Laser projector + work light



13

TIGER 372 CNC LR 4.0 - Set of comb jaws when equipped w/restpiece reduction min. (max70x70mm)



14

TIGER 402 CNC HR 4.0 - Set of comb jaws when equipped w/restpiece reduction min. (max75x75mm)



15

TIGER 372 CNC LR 4.0 Supplementary pneumatic vice



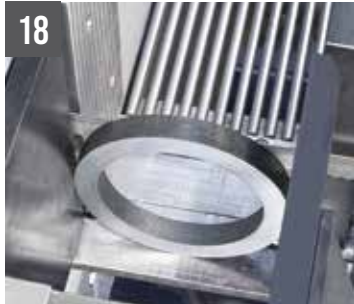
16

TIGER 402 CNC HR 4.0 set off comb jaws in teflon for bundle cutting (max mm 75x75)



17

SHARK 350 NC HS 5.0 Hydraulic vertical vices for bundle cutting (max 350x350mm)



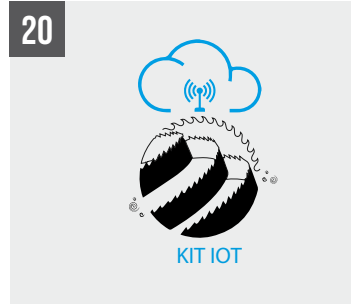
18

SHARK 350 CNC HS 4.0 - 350 CNC HS 5.0  
Special vice to reduce restpiece  
max 25 mm



19

SHARK 350 CNC HS 4.0 - 350 CNC HS 5.0  
Band deflection gauge



20

Kit IOT Industry 4.0 Ready



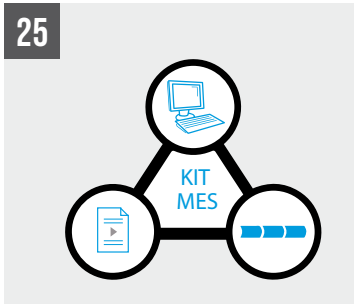
21

SHARK 332 RC KONNECT  
Fixed camera



22

SHARK 332 RC KONNECT  
Folding back doors



25

KIT MES



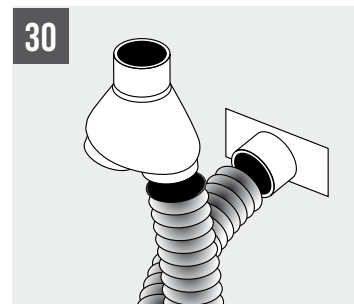
27

Chip collector



29

Powered chip auger



30

TIGER 402 CNC HR 4.0  
Double suction system



31

SHARK 512  
Cutting angle displaying



32

TIGER 372 CNC LR 4.0 (Ø max 105 mm)  
set of carbide guides



33

SHARK 350 CNC HS 4.0 - SHARK 460 KONNECT  
Hydraulic vertical vices for bundle cutting



35

TIGER 402 CNC HR 4.0  
Special vice to reduce restpiece



36

SHARK 652 SXI H 5.0  
Hydraulic pop-up roller left

# OPTIONALS



37 SHARK 652 SXI H 5.0  
Hydraulic pop-up roller right



38 CB 6001



39 loading table for "comb jaws"  
(componible modules 1500 mm)



40 SHARK 660 CNC HS 4.0 Hydraulic vertical  
vices for bundle cutting (660 x 660 mm)



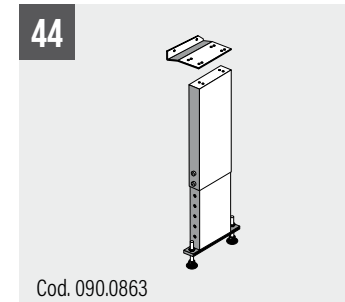
41 SHARK 660 CNC HS 4.0  
Retractable fixed vice jaw



42 SHARK 660 CNC HS 4.0  
Squaring vice

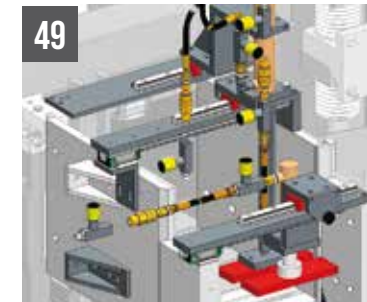


43 SHARK 350 CNC HS 4.0  
SHARK 350 NC HS 5.0  
Kit cutting speed 15÷200 m/min



Cod. 090.0863

44 TIGER 372 / 402  
Adapter for unloading table with extra  
support



49 Shark 350 CNC hs 4.0 / SHARK 350 NC hs 5.0  
Hydraulic vertical vices w/vice to reduce  
restpiece (max. 250x200 / min. 100x20mm)



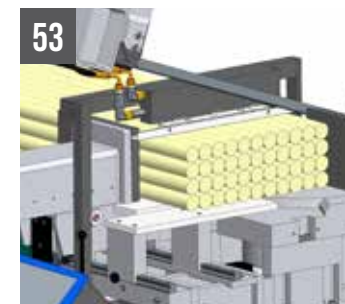
50 Shark 350 CNC hs 4.0  
Bar sensor to optimize restpiece (3 special  
cutting cycle)



51 Shark 350 CNC hs 4.0 / SHARK 350 NC hs  
5.0  
Bandsaw upgrate to 41 mm blade



52 SHARK 350 NC HS 5.0  
Adapter for unloading table



53 SHARK 512 SXI evo  
Hydraulic vertical vice for bundle cutting  
max. 510x180 mm



54 SHARK 512 SXI evo  
Adapter for unloading table with support

55



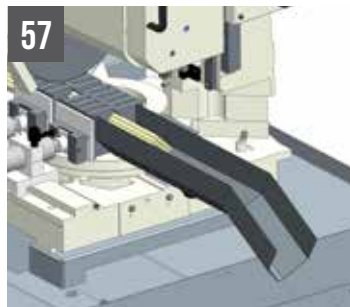
SHARK 512 SXI evo  
Adapter for loading table with support

56



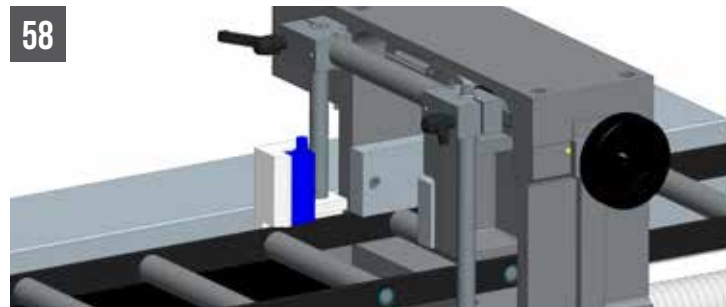
TIGER 372 CNC LR 4.0  
Adjustable bundle holder for comb jaws (max. feeder stroke will be reduced of 100mm)

57



TIGER 372 CNC LR 4.0 - TIGER 402 CNC HR 4.0  
Outfeed chute for bundle comb jaws

58



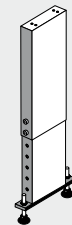
TIGER 372 CNC LR 4.0/RC - TIGER 402 CNC HR 4.0/RC  
Automatic continuous bar feeding trough material sensors

59



Conforming to any other voltage

60



Cod. 016 0822

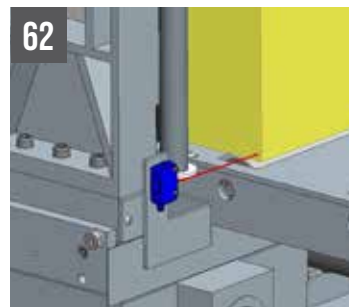
support table KK 200

61



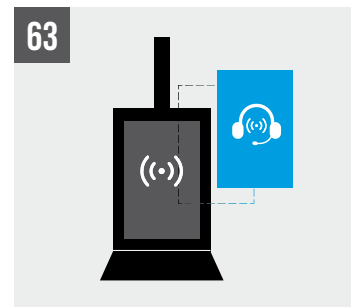
SHARK 460 KONNECT  
Blade head guides coolant flow device

62



SHARK 460 KONNECT  
Remnant optimization kit

63



SHARK 460 KONNECT  
Wi-fi remote service

64



SHARK 460 KONNECT  
Adapter for loading table

65



SHARK 652 SXI H 5.0  
Adapter for unloading table with support

66



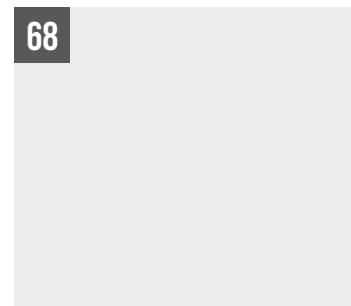
SHARK 652 SXI H 5.0  
Adapter for loading table with support

67



Stainless steel belt chip conveyor

68

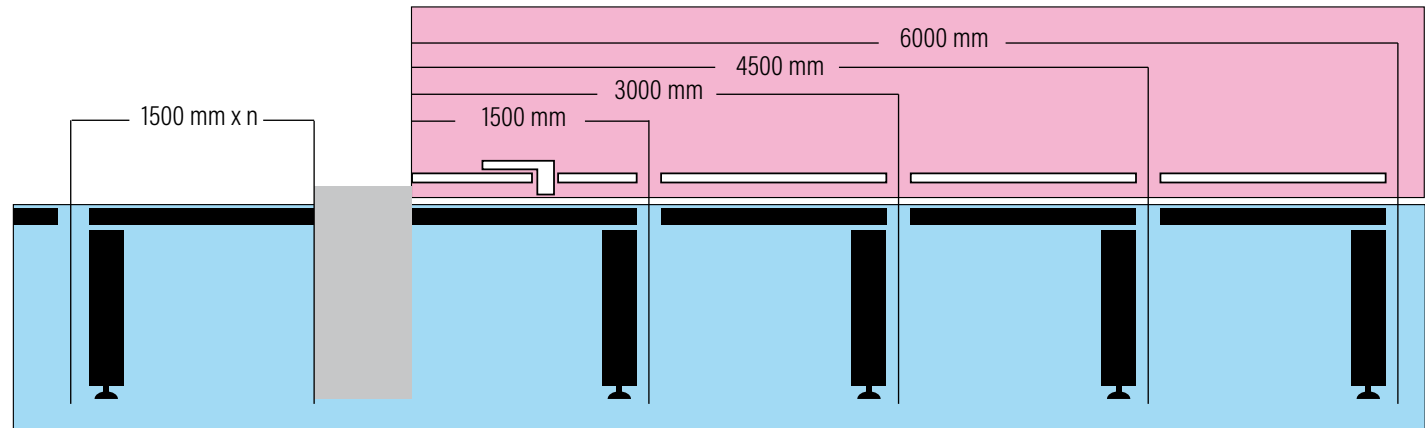




# STOP AND MEASURING ROD ROLLER TABLES

- R stop and measuring rod
- K roller tables

	<b>KK 200</b>
<b>R1</b>	●
<b>R2</b>	●
<b>R3</b>	●



## FLIP OVER STOPS' MODELS



R1



R1 FLIP OVER STOP (light version): it can be mounted on KK 200 roller tables offside.  
- It can be raised so as to move the bar along.  
- It slides on two aluminium guides with teflon slides.  
- The rod is engraved on an aluminium bar.

R2



R2 FLIP OVER STOP (medium version): it can be mounted on KK 200 roller tables offside.  
- It can be raised so as to move the bar along.  
- It slides on two horizontal guides with teflon slides.  
- The rod is engraved on an aluminium bar.  
- Measure visualization enlarged by a magnifying glass.

R3



R3 FLIP OVER STOP (strong version): it can be mounted on KK 200 roller tables offside.  
- Made of casting and steel.  
- It can be raised so as to move the bar along.  
- It slides on a horizontal steel linear guide with recirculating ballscrews.  
- The rod is engraved on an aluminium bar.  
- Measure visualization enlarged by a magnifying glass.

## ROLLER TABLES

45



**KK 200**

46

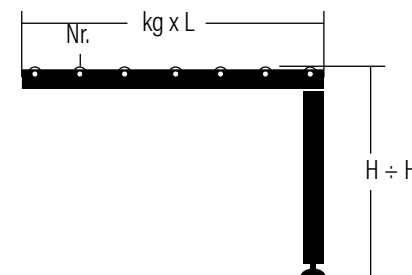
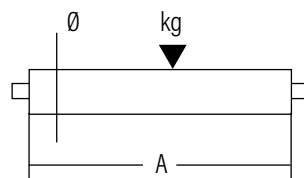


**KK 330**



47



**KK330 HD**



Model	∅ mm	kg	A	P	Nr. x L	kg x L	H ÷ H'
KK 200	24	40	190	245	7	280 X 1500	735 ÷ 1070
KK 330	32	110	330	360	6	660 X 1500	618 ÷ 908
KK 330 HD	50	250	340	371	6	1500 X 1514	840 ÷ 910

		Rest piece no longer feeded (mm)	Minimum cutting length (mm)	Speed of feeding vice (m/ min)	Max weight that the feeding vice can pull (kg)	Height of working table (mm)	Cutting capacity with overhead bundling (mm)	Capacity of the coolant tank (Lt)	Capacity of the hydraulic tank (Lt)	Blade length (mm)	Blade specification (mm)	
<b>BANDSAWING MACHINES</b>												
		SHARK 332 RC KONNECT	390	10	9	1360	930	-	70	140	3770 ±20 X 27 X 0.9	-
		SHARK 350 NC HS 5.0	130	10	4.5	2720	830	350 X 350	220	60	4640 ±20 X 34 X 1.1	-
		SHARK 350 CNC HS 4.0	130	10	4.5	2720	830	350 X 350	220	60	4640 ±20 X 34 X 1.1 4640 ±20 X 41 X 1.3	-
		SHARK 460 KONNECT	120	10	4.5	2720	880	460 X 460	285	60	6350 ±20 X 41 X 1.3	-
		SHARK 660 CNC HS 4.0	70	10	4.5	10000*	890	660 X 660	340	72.5	8400 ±20 X 54 X 1.6 8400 ±20 X 67 X 1.6	-
		SHARK 512 SXI evo	-	-	-	-	880	-	200	2.5	4640 ±20 X 34 X 1.1	-
		SHARK 652 SXI H 5.0	-	-	-	-	938	-	95	24.5	6700 ±20 X 41 X 1.3	-
<b>VERTICAL SAWING MACHINES FOR METALS</b>												
		TIGER 372 CNC LR 4.0	170	10	6	1360	1000	70 X 70	105	-	-	HSS Ø 370 X 32 X 3
		TIGER 372 CNC LR 4.0 RC	260	-	6	1360	1000		105	-	-	HSS Ø 370 X 32 X 3
		TIGER 402 CNC HR 4.0	160	-	6	1360	1000	70 X 70	105	-	-	HM Ø 400 X 32 X 3.8
		TIGER 402 CNC HR 4.0 RC	260	-	6	1360	1000		105	-	-	HM Ø 400 X 32 X 3.8

\* 26" x 26" x 15' / 660mm x 660 mm x 3000 mm



## GENERAL SALES CONDITIONS

### 1 - DEFINITIONS

"CGV": these general sales conditions, whose following terms shall have the meaning given below;

"Mep" and/or "company": Mep S.p.a. with administrative office in Pergola (PU);

"Customer": any company, body or legal entity purchasing Mep products;

"Products": goods produced and/or marketed by Mep;

"Order/s": each product purchase proposal sent to Mep by the customer;

"Sale/s": each sale contract closed between Mep and the customer following the written acceptance sent by Mep to the customer;

"Brands": all brands Mep is owner or licensee of;

"Intellectual property rights": all Mep intellectual and industrial property rights, registered or not, as well as any application or registration concerning these rights and any other right or protection.

"Conditions" mean all contract agreements, terms and conditions as a whole included in these General sales conditions (CGV).

### 2 - PURPOSES

2.1 These CGV apply to all product sales. In case of conflict between the conditions and terms of these CGV and the terms and conditions agreed for a single sale, the latter shall prevail.

2.2 Mep reserves the right to add, modify or cancel any provision of these CGV, being it understood that all changes shall apply to the sales closed from the thirtieth day after the transmitted notice, also by e-mail or fax, by Mep to the customer.

### 3 - ORDERS AND SALES

3.1 Each sale shall be ruled exclusively by these mandatory CGV unless different agreements have already been signed between Mep and customer.

3.2 Orders shall be binding for Mep if accepted in writing with order confirmation, sent to the customer also by e-mail or fax.

3.3 Should the customer receive a written

confirmation by Mep containing terms other than those included in the order, the sale shall be considered closed under the terms of the confirmation if the customer does not object to it within five days from receiving the order confirmation.

3.4 The company can immediately start fulfilling the received orders. The supply delivery to the carrier or shipping agent, together with the order acceptance notice, represents the start of the fulfillment, for the purposes and effects of art. 1327 of the Italian Civil Code.

### 4 - PRICES

4.1 The prices of the products, to be meant as VAT excluded, shall be those listed in the company price list in force when the order is forwarded, namely those indicated by the company in the single order confirmations for the products not included in the price list.

### 5 - DELIVERIES

5.1 Mep shall deliver the products ex works at his factories of Pergola, unless a different written agreement. If required, Mep shall entrust carriers with the transport at risk, costs and expenses of the customer.

5.2 The company may carry out the supply with partial deliveries; in this case, each delivery shall be considered as specific sale performance.

5.3 Possible irregularities or lacks in the supplies shall be claimed in writing to the carrier at the delivery and communicated to the company within max. three working days.

5.4 Within 20 days before the expected delivery date of the products the company and the customer can cancel or suspend the supply due to force majeure or due to reasons out of control, with mutual exemption to damages, for example such as, but not limited to:

- a) strikes, even partial, power cut-off, natural disasters, measures by public authorities, problems in transports, riots;
- b) problems connected with the production or the order planning;
- c) difficulty in getting raw material supplies.

In case of order cancellation by the customer of non-standard products, the company shall

be entitled to receive the payment of what suitably realized till the communication was received.

### 6 - GUARANTEES

6.1 The company guarantees that each product complies with the specifications indicated in the catalogue, standard tolerance excepted.

6.2 The company can anyway modify the products, even without informing the customers, reasonably in their technical characteristics, design, materials and finishes as deemed necessary and/or suitable; the customer, therefore, cannot claim or reject, nor even partially, the supply due to such reasonable changes.

6.3 The company guarantees that the products are free of defects and/or faults for a period of one year from the date of delivery to the customer.

6.4 Possible defects or faults shall be communicated by the customer within thirty days from receiving the supply and/or discovering them, if hidden, otherwise the right lapses. Damages cannot be claimed to the company for possible delays in repairs and/or replacements within the two months after the communication.

6.5 The company's responsibility for the supplies of products and for their use is anyway limited to the cost for repairing faults and/or defects of the products or for replacing them.

6.6 Customers are not entitled to return products without a previous written authorization by the company.

6.7 The customer guarantees that the products shall be used according to the instructions of the company and engages to inform all operators involved in their use that the company is ready and available to give all information aimed at the correct operation and safety of the products.

### 7 - PAYMENTS

7.1 The customer shall pay the invoices issued by the company for the collection of the performed supplies in compliance with the terms indicated in the order confirmation.

7.2 The company shall issue invoices for every product supply, even in case of partial sup-

plies referred to the same order confirmation. 7.3 In case of delayed payment vs. the contract terms, the customer shall pay to the company default interests according to the Italian law decree of 9th October 2002 no. 231, as well as the refund of the collection costs. 7.4 For invoices issued with indication of payment instalments, failure to pay even a single instalment shall involve the automatic acceleration clause and the company shall be entitled to ask immediately for the whole credit, increased of default interests.

### 8 - PROPERTY RIGHTS

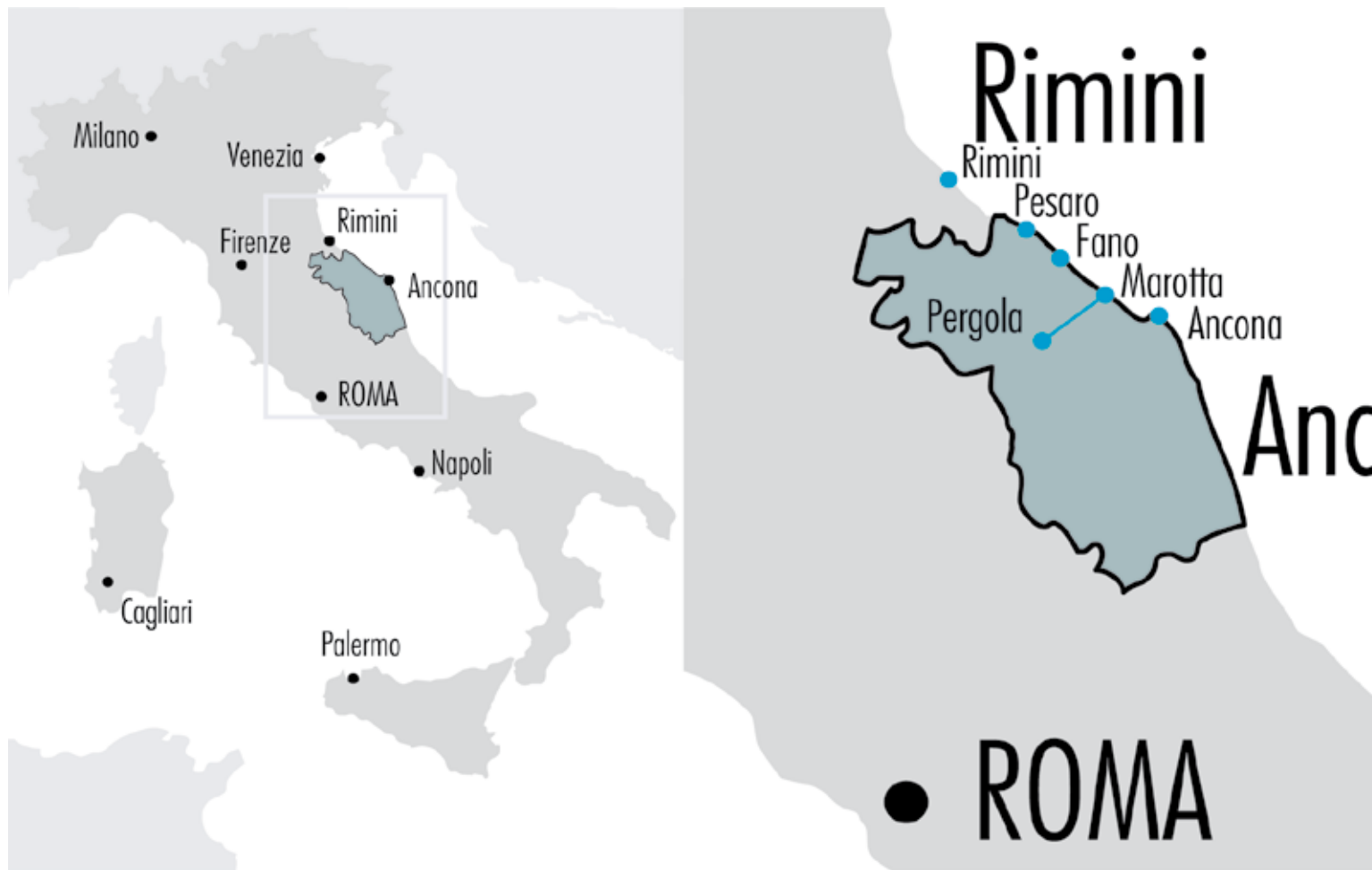
8.1 The customer cannot use the products or part of them or any description or drawing, even if not specifically protected by a patent or registered trademark, to design or manufacture similar products, unless he has obtained the previous written authorization by the company; in this case, too, all patents, registered designs, trademarks, copyrights and intellectual property rights concerning or connected with the products remain the full and exclusive property of the company and the customer shall adopt the strictest confidentiality accordingly.

### 9 - EXPRESS RESOLUTIVE CLAUSE

9.1 The company is entitled to cancel at an time, according to art. 1456 of the Italian Civil Code, by written communication sent to the customer, the sale/s in case of non-fulfillment of the obligations of articles : 6 (payments); 7 (intellectual property rights).

### 10 - APPLICABLE LAW - COMPETENT COURT

10.1 Any controversy arising on the closing, performance or resolution of the contract, or possible damage due to the products or their use, is ruled by the Italian law and subject to the Italian ordinary courts; by way of exception to any other law or conventional principle, the court of Pesaro - Fano detached department shall be exclusively competent as for territory.



# WHERE TO FIND US

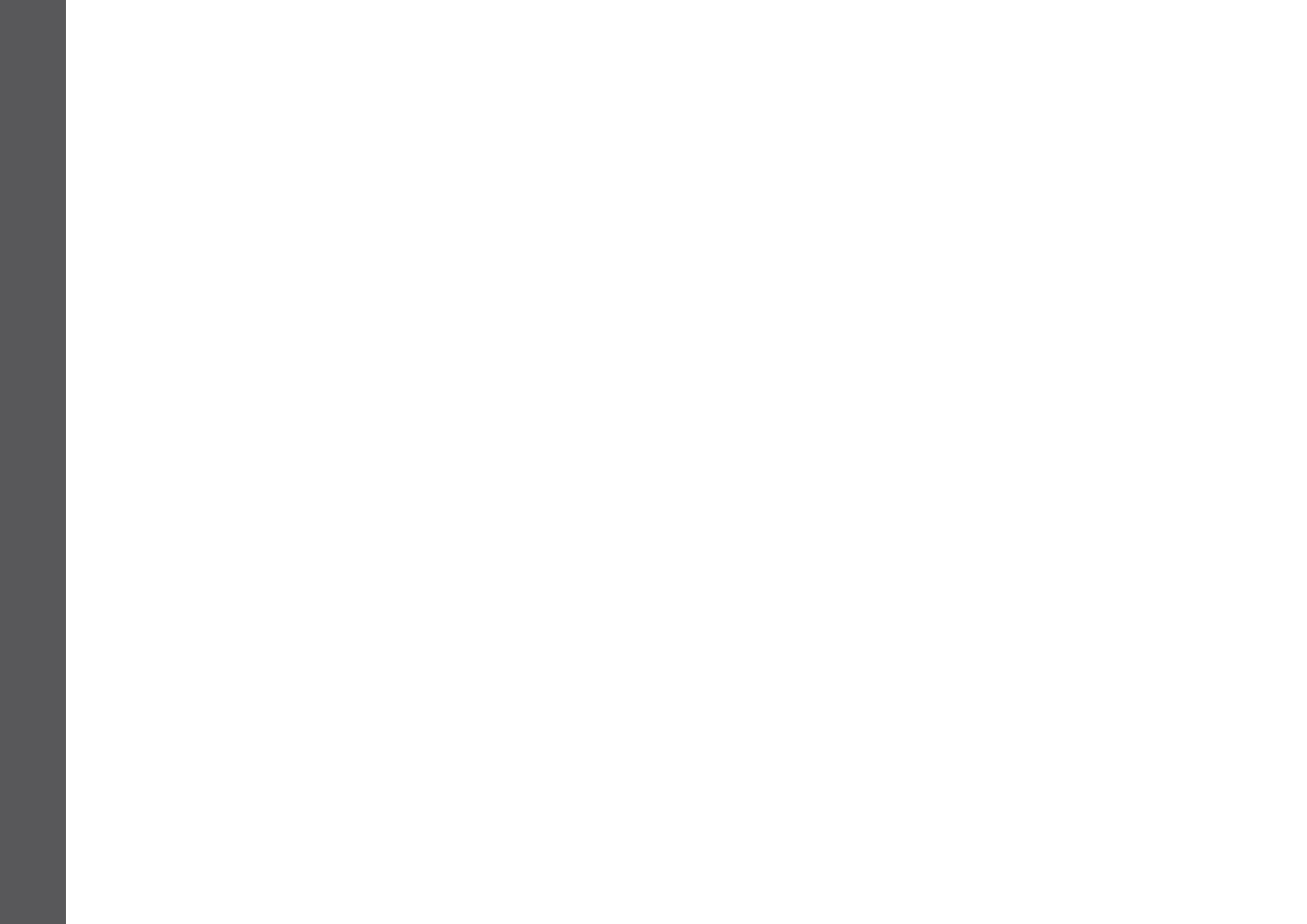
MEP SPA  
via Enzo Magnani, 1  
61045 Pergola (PU) Italy

DEALER

The manufacturer reserves the right to carry out modifications without notice.

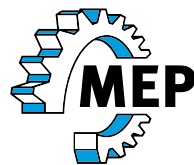








IN THE MUSEUM OF OUR CITY THE ONLY  
GROUP OF GOLDEN BRONZE STATUS IN THE  
WORLD



**MEP SPA SOCIO UNICO**

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