

2024 INDUSTRY

REVOLUTIONIZING THE FUTURE OF METAL CUTTING THROUGH INNOVATIVE SUSTAINABLE TECHNOLOGIES

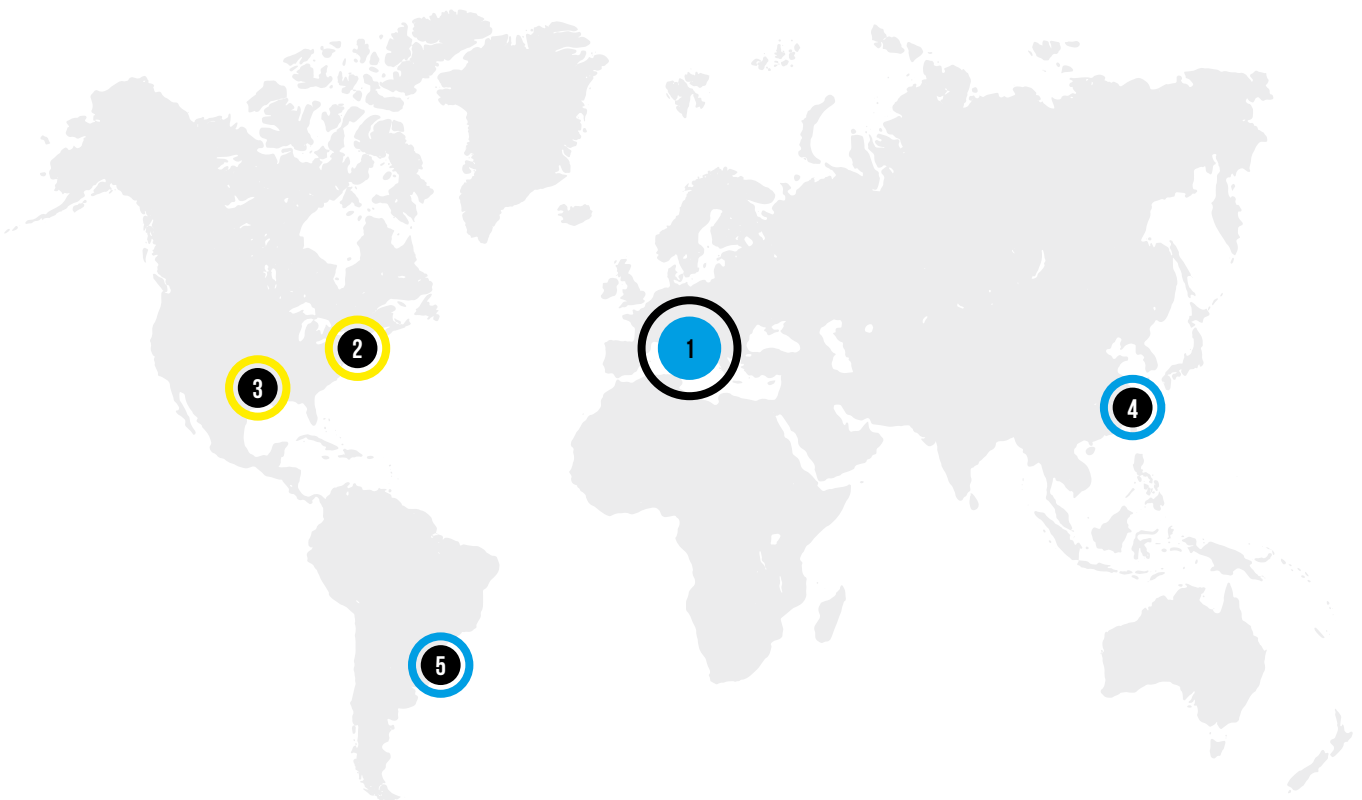
"... Our products and services for metal cutting are transforming the future of digital factory by offering a wide range of solutions to improve the efficiency and automation of production processes: this holistic approach has actually consolidated Industry 4.0 standards and is helping to define the new horizons of Industry 5.0 through programming and management, control and monitoring software applications, exclusive cutting cycles and integration services."

MEP GROUP

We are specialized in the design and production of band and circular sawing machines for metal cutting that meet the most varied needs in the field of forming and chip removal of ferrous and non-ferrous materials.

Pioneer of digitalization in the sawing machine industry, the company has always attached the utmost importance to process automation in order to remain competitive in the market: **the wide range of sawing machines is made up of standard automation and digitalization solutions that can be enhanced with customized solutions according to customer needs.**

Moreover, as an all-round solutions provider, we offer **not only cutting-edge sawing machines and integrated services, but also high-tech peripheral devices and innovative accessories.**



HYDMECH

Woodstock, ON
Canada



HYDMECH inc.

Conway, AR
USA



MEP SPA

Pergola (PU)
Italy



**MEP (SUZHOU)
CO. LTD**

Suzhou P.R.
China



**MEP DO BRASIL
LTDA.**

São Paulo - SP
Brazil



1964

Year of foundation

5

Headquarters in 4 continents

41000

smq of production plant

324

Employees

550

Distributors and dealers all over the world

120

Countries to which our products are distributed

114

Sawing machines models

400

Material Handling System solutions

100

Customized solutions manufactured annually

1000 x 2000

Maximum cutting capacity (mm)

5500

Machines manufactured annually

74 M


















Euro annual turnover



“... Believing that digitalization is the key to remaining competitive in the market and improving the quality of products and services, our goal is to promote innovation and sustainable development by putting at the service of our customers solutions that integrate the knowledge gained during the digitalization process: actually, as part of our business strategy, we position ourselves as a pioneer in the digitalization of our processes and the continuous search for new technologies aimed at improving our efficiency, precision and productivity.

“... Digitalization, accelerated by the recent introduction of artificial intelligence, remains the beating heart of our operations, from the development and design of our products, to manufacturing and logistics, and we are convinced that the direct knowledge of digital technologies acquired through observation, use and daily practice is the differentiating element that allows us to perform best in the market by offering solutions suitable for every type of customer.”

LEGEND

	AUTOMATIC CUTTING CYCLE		THREE-PHASE POWER
	SEMI-AUTOMATIC CUTTING CYCLE		SINGLE-PHASE POWER
	ELECTROHYDRAULIC		CUTTING SPEED SELECTOR
	ELECTROPNEUMATIC		INVERTER MOTOR POWER
	ELECTROMECHANICAL		MAX VICE OPENING
	FERROUS MATERIALS		CUTTING ANGLE
	NON-FERROUS MATERIALS		PROFILES
	CIRCULAR BLADE/BAND SIZE		SOLIDS
			SAWING MACHINE WEIGHT

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

The published photos may include non-standard details.

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AUTOMATIC AND SEMI-AUTOMATIC BAND SAWING MACHINES



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HSS CIRCULAR SAWING MACHINES



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SHARK

THE WIDE RANGE OF BAND SAWING MACHINES

This type of sawing machines has been a revolution in the field of steel cutting because they allow the cutting of medium-large materials while maintaining a small footprint. The secret lies in the use of a band blade with variable teeth and a thickness ranging from 1mm to 3mm, thus allowing easier penetration and removal of the material and, at the same time, a proportionate structure of the machine. Thanks to all these characteristics, band sawing machines are extremely flexible in terms of both material sections and their toughness.

SEMI-AUTOMATIC

In this case, the operator must set the machine, load the material and position it to the desired size. The sawing machine will then perform the cutting cycle automatically. This type of machine is mainly aimed at those who need to cut medium-large series of various materials.

AUTOMATIC

The operator must set the machine, load the material and program it by entering the lengths to cut and the quantities. Some models require only the material loading since they are equipped with a software that, depending on the material, allows the auto-setting of both the machine and its cutting parameters. These models are also provided with the Kit Industry 4.0 Ready - IOT. Moreover, it is possible to develop customized solutions with automatic material loading/unloading systems.



INDEX CHAPTER SHARK



**SHARK 332 RC
KONNECT**

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**SHARK 350
CNC HS 4.0**

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SHARK 652 SXI H 5.0

**MANUAL
MITERING**

PAGE 30



**SHARK 460
KONNECT**

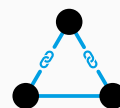
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SHARK 652 SXI H 5.0

**AUTOMATIC
MITERING**

PAGE 32



OPTIONS

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SHARK 332 RC KONNECT

MITER CUTTING • METALS • TUBES • PROFILES • BEAMS



SHARK 332 RC KONNECT, automatic electromechanical pivot band sawing machine with controlled automatic rotation to cut iron tubes, profiles and beams from -60° to $+60^\circ$. In addition to the automatic operating cycle, it can also operate in semi-automatic mode.



ABSOLUTE EFFICIENCY

- Operator-free system: thanks to the auto-positioning of the saw head and vices as well as to the automatic handling of remnant and trim cut, the sawing machine functioning is completely automatized, thus minimizing the operator's intervention and setting times.
- The possibility to access to the after-sales service from remote through the main control of the sawing machine drastically reduces machine downtimes and service costs.
- Double cutting vice for optimal bar handling: the movable vice automatically spots itself according to the cutting angles set thus reducing machine set-up times; the fixed vice helps to better clamp the material during the cut by holding it while the bar feeder is moving.
- Adaptive saw head down feed rate: self-regulation in real-time of head down feed rate according to the type of material or blade wear through a servo motor on ball bearings screw drive, by adjusting it in real-time.

MAXIMUM FLEXIBILITY

- Dedicated software for the proper management of the various geometries of the materials according to the angles cut.
- Modular bar feeder with single stroke 1500 mm (repeatable to cut at any length): the heavy-duty cast-iron portal structure, the stepper motor, the screw assembled on preloaded opposed taper bearings and the ball bearings grant an accurate and reliable positioning. The bar feeder stroke can be extended up to 3000mm - 118" or 4500mm - 177".
- Programmable automatic mitering of the saw head from -60° to $+60^\circ$ for symmetrical and asymmetrical cuts with servo motor that grants a precise control in speed, torque and positioning.



PRODUCTION GUARANTEED

Preventive maintenance, which is based on real working time of the sawing machine and its components, promptly informs about necessary maintenance, thus allowing to minimize passive working times.

HIGH SAFETY

“Saw in the box” style that ensures maximum operator’s safety, while maintaining excellent visibility and accessibility of all working areas.

INDUSTRY 4.0 READY - IOT















The IOT allows to maximize data collection and use them in favor of a better sawing machine cutting performance and longer blade life.



KONNECT CONTROL

Panel PC control, Quad core 2.0Ghz, 8-GB Ram, WINDOWS 10 and 17-inch touchscreen display with user-friendly graphic interface, which supports the operator during setting up, optimization and processing of various jobs.

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		 inverter								 OIL				
m/min	kW	kW	mm		mm	mm	mm	mm	kg	kW	l	kW	l	mm
15÷100	2.2	3	3770x27x0.9	-45°	200	180	200x160	130x280	2750	1.1	70	0.15 + 0.75	180	330
				-60°	130	110	140x80	40x250						
				0°	310	300	330x300	230x310						
				+45°	250	230	250x130	220x300						
				+60°	160	155	160x80	140x290						



SHARK 332 RC / KONN



ECT



WATCH
THE VIDEO



SHARK

350 NC HS 5.0

METALS • SOLIDS



SHARK 350 NC HS 5.0, dual-column electrohydraulic automatic band sawing machine for 0° cuts of structural, stainless and alloy steels, solids and profiles. In addition to the automatic cutting cycle, it can also operate in semi-automatic mode.



ABSOLUTE EFFICIENCY

- The two working modes (semi-automatic and automatic ones) allow to perform any kind of cut in the most efficient way.
- The control allowing to store up to 100 cutting programs, each one with different quantities and lengths, minimizes programming time of regular jobs.
- The automatic acquisition of the saw head cutting start position reduces programming time.
- The saw head motion is powered by a hydraulic cylinder on linear guides with preloaded ball screw slides and ensures a mechanical vibration reduction and stability during the cut.
- The automatic alignment of the front blade guide head according to the dimensions of the bars to cut reduces setting time.

EXCEPTIONAL FLEXIBILITY

- The bar feeder with single stroke 600 mm is repeatable to cut at any length.
- The pair of vertical rollers allows to contain and align any kind of bar or bundle while feeding.
- The vector inverter for infinite variable blade speed from 15 to 100 m/min allows to adjust the saw blade rotation speed according to the type of material.
- The motorized chip collector can be assembled to both the right and the left of the sawing machine.



BLADE TENSIONING CONSTANTLY CHECKED

The blade tensioning through electronic transducer is constantly checked and adjusted in real-time, thus granting a higher cutting precision and longer blade life.



MOTION OF THE SAW HEAD ON LINEAR GUIDES

Motion of the saw head on linear guides with preloaded ball screw slides that ensures a mechanical vibration reduction during the cut and greater cutting stability.



ADAPTATIVE SAW HEAD DOWN FEED RATE










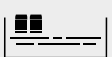

Self-regulation in real-time of head down feed rate according to the type of material or blade wear.



CAST-IRON STRUCTURE

Cast-iron structure to absorb vibrations and ensure greater cutting stability and longer blade life.

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			 inverter						 OIL				
	m/min	kW	kW	mm		mm	mm	kg	kW	l	kW	l	mm
STANDARD	15÷115	4	5.5	4640x34x1.1	0°	350	350	2800	1.1	70	2x0.18	200	355
OPTIONAL	15÷200	4	11	4640x34x1.1									
	15÷115	5.5	11	4640x41x1.3									
	15÷200			4640x41x1.3									

INDUSTRY 4.0 READY - IOT

The optional IOT allows to maximize data collection and use them in favor of a better sawing machine cutting performance and longer blade life.





WATCH
THE VIDEO



SHARK 350 CNC HS 4.0

METALS • SOLIDS



SHARK 350 CNC HS 4.0, dual-column electromechanical automatic band sawing machine for 0° cuts of structural, stainless and alloy steels, solids and profiles. In addition to the automatic cutting cycle, it can also operate in semi-automatic mode.

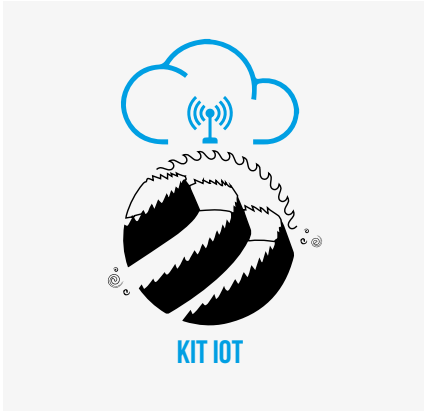


ABSOLUTE EFFICIENCY

- The two working modes (semi-automatic and automatic ones) allow to perform any kind of cut in the most efficient way.
- The control allowing to store up to 300 cutting programs, each one with different quantities and lengths, minimizes programming time of regular jobs.
- The automatic acquisition of the saw head cutting start position reduces programming time.
- The automatic alignment of the front blade guide head according to the dimensions of the bars to cut reduces setting time.
- The blade tensioning through electronic transducer is constantly checked and adjusted in real-time, thus granting a higher cutting precision and longer blade life.
- The OPTIONAL blade deviation control device allows to perform cuts always in perfect tolerance.

EXCEPTIONAL FLEXIBILITY

- The bar feeder with single stroke 600 mm is repeatable to cut at any length.
- The feeder clamping unit is floating and self-aligning to feed also non-straight bars.
- The pair of vertical rollers allows to contain and align any kind of bar or bundle while feeding.
- The vector inverter for infinite variable blade speed from 15 to 115 m/min allows to adjust the saw blade rotation speed according to the type of material.



INDUSTRY 4.0 READY - IOT

The optional IOT allows to maximize data collection and use them in favor of a better sawing machine cutting performance and longer blade life.



POWERED DREDGING CHIP CONVEYOR

The motorized chip collector can be assembled to both the right and the left of the sawing machine.



MOTION OF THE SAW HEAD POWERED BY BRUSHLESS MOTOR ON A SCREW NUT

Motion of the saw head powered by a brushless motor for an auto-check of all data set/recorded so as to adjust cutting parameters in real-time, counterbalancing through a hydraulic cylinder to give the machine cutting stability, and Ø 40mm ball bearings screw nut that ensures a mechanical vibration reduction during the cut.



CAST-IRON STRUCTURE

Cast-iron structure to absorb vibrations and ensure greater cutting stability and longer blade life.

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	m/min	kW	kW	mm		mm	mm	kg	kW	l	kW	l	mm
STANDARD	15÷115	5,5	11	4640x34x1.1									
OPTIONAL	15÷200	4	11	4640x34x1.1	0°	350	350	2800	1.1	70	2x0.18	200	355
	15÷115	5,5	11	4640x41x1.3									
	15÷200			4640x41x1.3									

MATERIAL LIBRARY FOR THE AUTOMATIC SETTING OF THE BLADE ROTATION SPEED AND HEAD DOWN FEED RATE

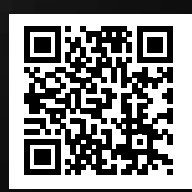
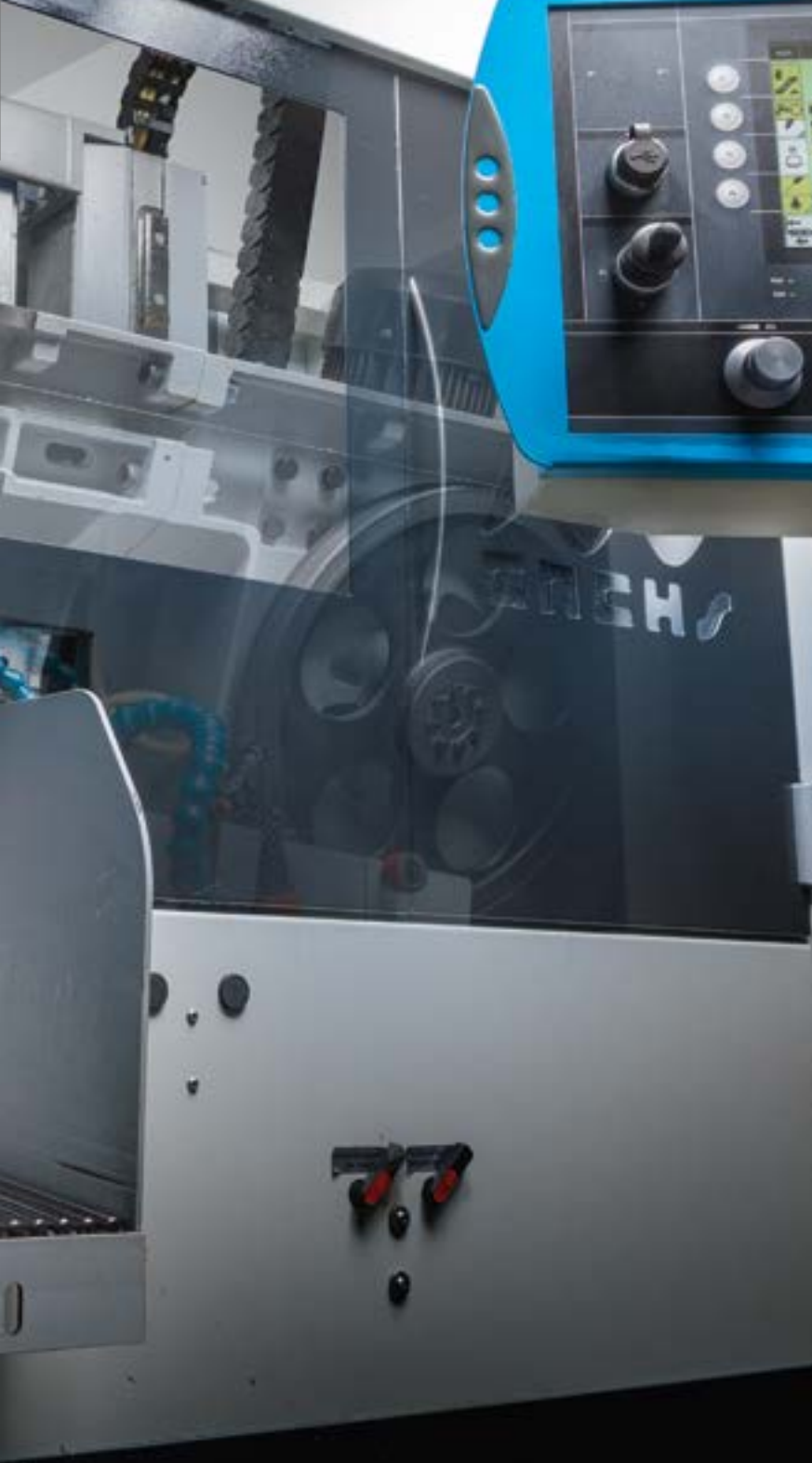
The material library allows the automatic setting of the blade speed (S) and head down feed rate (F) according to the type of material. From the extendable material library, you can choose the type and the geometry of the material, the hardness and the type of blade. Accordingly, the control sets the right blade speed and head down feed rate.

ADAPTATIVE SAW HEAD DOWN FEED RATE

Self-regulation in real-time of head down feed rate according to type of material or blade wear.



NC HS 4.0



WATCH THE VIDEO



SHARK 460 KONNECT

METALS • SOLIDS



SHARK 460 KONNECT, dual-column electromechanical automatic band sawing machine for 0° cuts of structural, stainless and alloy steels, solids and profiles. In addition to the automatic cutting cycle, it can also operate in semi-automatic mode.



ABSOLUTE EFFICIENCY

- “Operator-free” system: by means of the auto-positioning of the saw head and vices, once loaded and positioned the material in a designated area, the operator has only to start the cycle, thus dramatically reducing setting times.
- The possibility to access to the after-sales service from remote through the main control of the sawing machine drastically reduces downtimes of the sawing machine and service costs.
- Adaptive saw head down feed rate: self-regulation in real-time of head down feed rate according to the type of material or blade wear through a servo motor on ball bearings screw drive, by adjusting it in real-time.

MAXIMUM FLEXIBILITY

- Bar feeder with single stroke 600 mm (repeatable to cut at any length): the heavy-duty cast-iron portal structure, the brushless motor, the screw assembled on preloaded opposing taper bearings and the ball bearings grant an accurate and reliable positioning.
- The chip collector can be assembled to the right or the left of the sawing machine.

SAFETY GUARANTEED

- “Saw in the box” style to grant the highest operator’s safety, noise reduction, containment of the space occupied.
- Preventive maintenance, which is based on real working time of the sawing machine and its components, promptly informs about necessary maintenance, thus allowing to minimize passive working times.



GREAT ACCESSIBILITY

Front door fully openable for an easy maintenance and blade change. Bar feeder side door fully openable to facilitate regulations and regular maintenance.



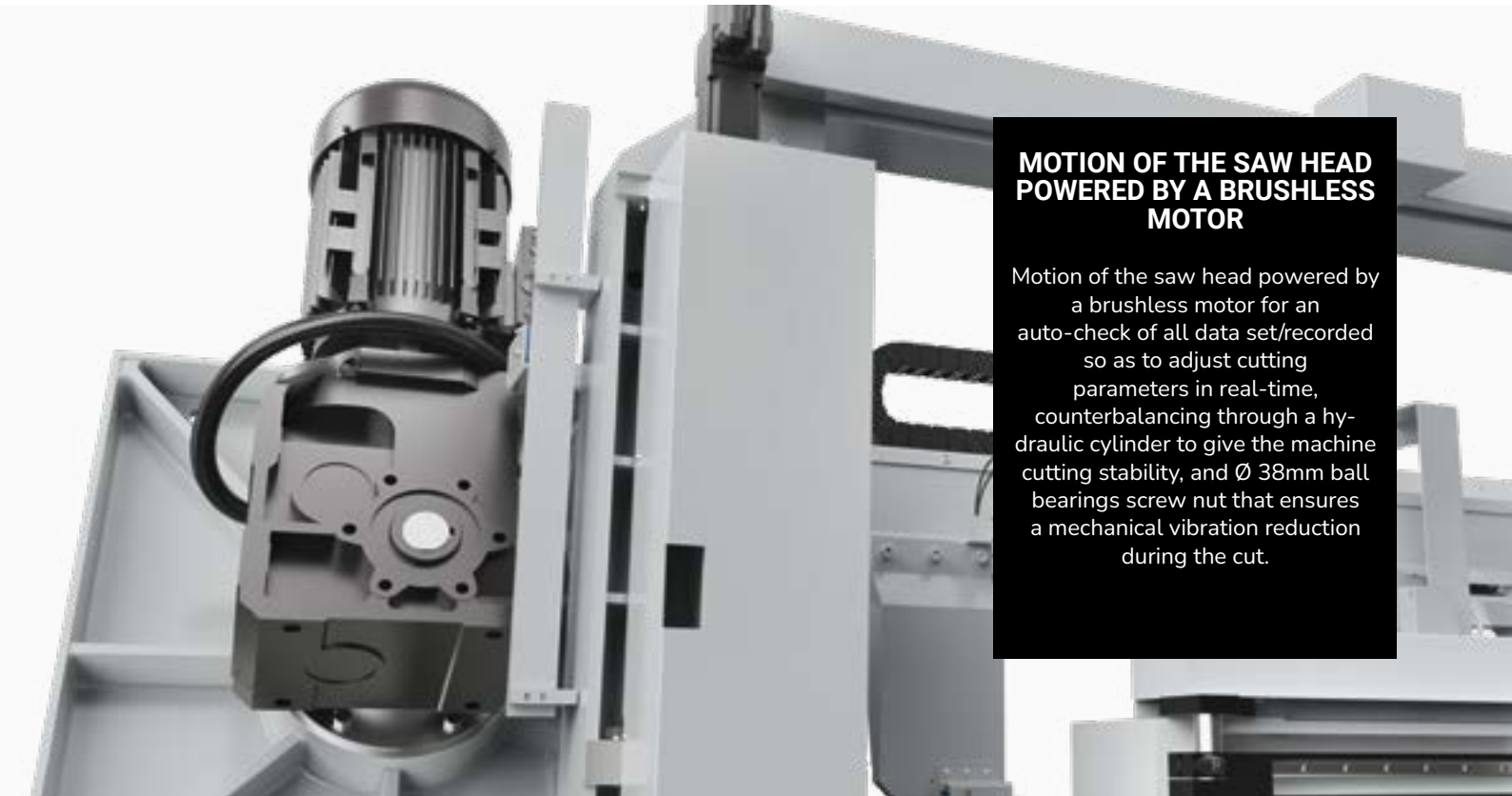
INDUSTRY 4.0 READY - IOT

The IOT allows to maximize data collection and use them in favor of a better sawing machine cutting performance and longer blade life.



BLADE TENSIONING












Blade tensioning through a servo system constantly monitored during the cutting cycle



MOTION OF THE SAW HEAD POWERED BY A BRUSHLESS MOTOR

Motion of the saw head powered by a brushless motor for an auto-check of all data set/recorded so as to adjust cutting parameters in real-time, counterbalancing through a hydraulic cylinder to give the machine cutting stability, and Ø 38mm ball bearings screw nut that ensures a mechanical vibration reduction during the cut.

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		 inverter						 OIL				
m/min	kW	kW	mm	°	mm	mm	kg	kW	l	kW	l	mm
15÷200	11	15	6350x41x1.3	0°	460	460	4600	2.2	60	2x0.15	180	470

MATERIAL LIBRARY FOR THE AUTOMATIC SETTING OF THE BLADE ROTATION SPEED AND HEAD DOWN FEED RATE

The material library allows the automatic setting of the blade speed (S) and head down feed rate (F) according to the type of material. From the extendable material library, you can choose the type and the geometry of the material, the hardness and the type of blade. Accordingly, the control sets the right blade speed and head down feed rate.





WATCH
THE VIDEO



SHARK 660 CNC HS 4.0

METALS • SOLIDS



SHARK 660 CNC HS 4.0, dual-column electromechanical automatic band sawing machine for 0° cuts of structural, stainless and alloy steels, solids and profiles. In addition to the automatic cutting cycle, it can also operate in semi-automatic mode.



ABSOLUTE EFFICIENCY

- The two working modes (semi-automatic and automatic ones) allow to perform any kind of cut in the most efficient way.
- The control allowing to store up to 300 cutting programs, each one with different quantities and lengths, minimizes programming time of regular jobs.
- The automatic acquisition of the saw head cutting start position reduces programming time.
- The automatic alignment of the front blade guide head according to the dimensions of the bars to cut reduces setting time.
- The blade tensioning through electronic transducer is constantly checked and adjusted in real-time, thus granting a higher cutting precision and longer blade life.
- The blade deviation control device allows to perform cuts always in perfect tolerance.
- The cutting vice with fixed hydraulic retractable back jaw makes feeding of non-straight bars or bundles held with stripes smoother.

EXCEPTIONAL FLEXIBILITY

- The bar feeder with single stroke 760 mm is repeatable to cut at any length.
- The feeder clamping unit is floating and self-aligning to feed also non-straight bars.
- The pair of vertical rollers allows to contain and align any kind of bar or bundle while feeding.
- The vector inverter for infinite variable blade speed from 15 to 115 m/min allows to adjust the saw blade rotation speed according to the type of material.
- The motorized chip collector can be assembled to both the right and the left of the sawing machine.



CAST-IRON STRUCTURE

Cast-iron structure to absorb vibrations and ensure greater cutting stability and longer blade life.



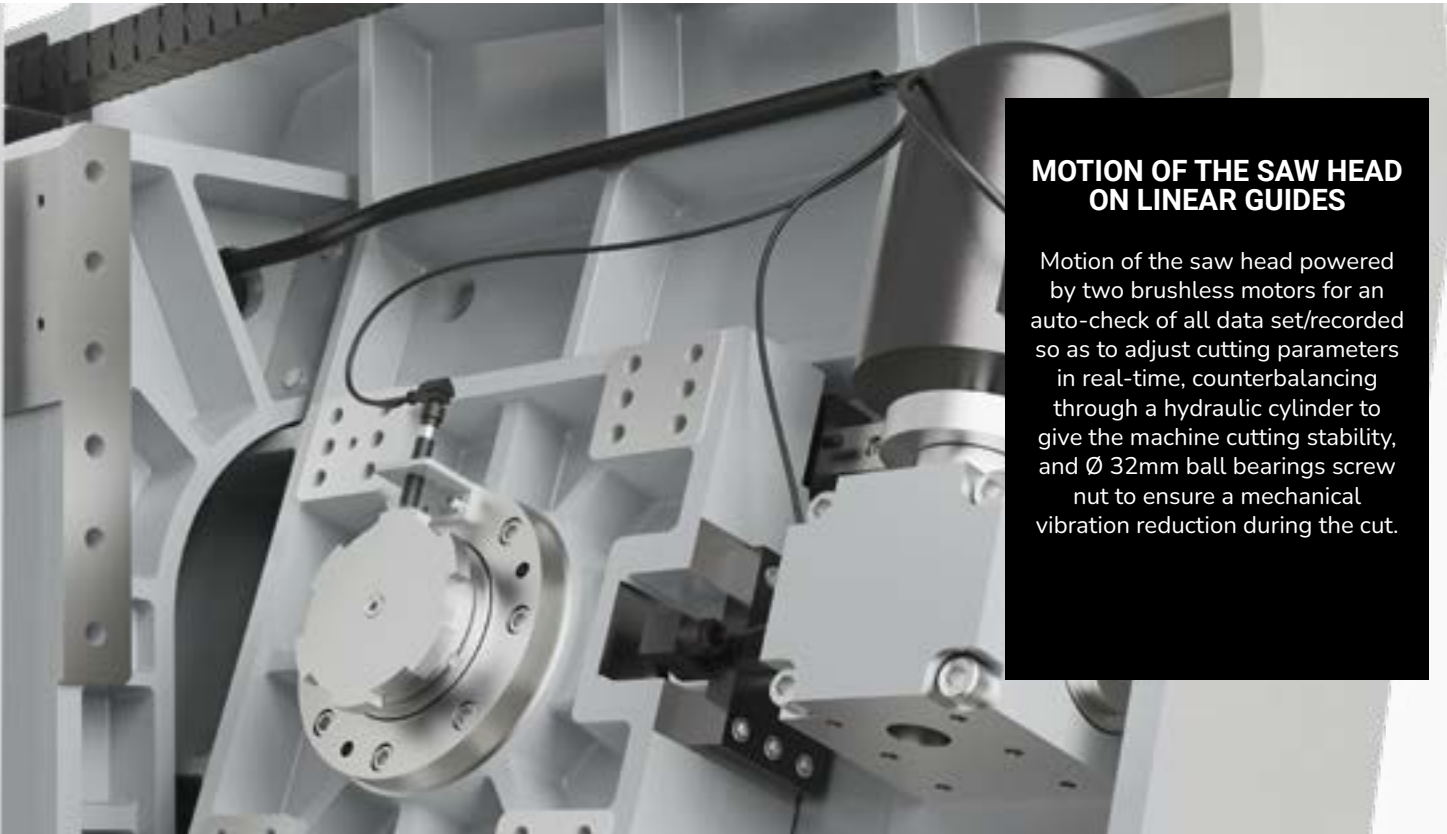
INDUSTRY 4.0 READY - IOT

The optional IOT allows to maximize data collection and use them in favor of a better sawing machine cutting performance and longer blade life.



FLOATING BAR FEEDER VICE












The bar feeder vice is self-aligning in order to feed even non-straight bars.



MOTION OF THE SAW HEAD ON LINEAR GUIDES

Motion of the saw head powered by two brushless motors for an auto-check of all data set/recorded so as to adjust cutting parameters in real-time, counterbalancing through a hydraulic cylinder to give the machine cutting stability, and Ø 32mm ball bearings screw nut to ensure a mechanical vibration reduction during the cut.

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		 inverter						 OIL				
m/min	kW	kW	mm		mm	mm	kg	kW	l	kW	l	mm
15÷200	15	18	STANDARD 8400X54X1.6	0°	660	660	9000	3.7	72	2x0.37	340	670
			OPTIONAL 8400X67X1.6									

MATERIAL LIBRARY FOR THE AUTOMATIC SETTING OF THE BLADE ROTATION SPEED AND HEAD DOWN FEED RATE

The material library allows the automatic setting of the blade speed (S) and head down feed rate (F) according to the type of material. From the extendable material library, you can choose the type and the geometry of the material, the hardness and the type of blade. Accordingly, the control sets the right blade speed and head down feed rate.

ADAPTATIVE SAW HEAD DOWN FEED RATE

Self-regulation in real-time of head down feed rate according to type of material or blade wear.





WATCH
THE VIDEO



SHARK 512 SXI EVO

MITER CUTTING • METALS • TUBES • PROFILES • BEAMS



SHARK 512 SXI EVO, electrohydraulic semi-automatic band sawing machine to cut tubes, profiles and beams mitering from -60° to $+60^{\circ}$.



MAXIMUM FLEXIBILITY

- The main control with acoustic commands is assembled on an articulated arm thus granting full control in all operating positions.
- The LCD display shows the status of the sawing machine and all its parameters thus allowing maximum control in real-time.
- Programming from the control panel also allows to adjust the saw head stroke limits according to the dimensions of the bars to cut.
- The mechanical stops at -60° , -45° , 0° , $+45^{\circ}$ and $+60^{\circ}$ are equipped with a locking device at all angles in between ensure the quick positioning of the saw head.
- The large working surface granting maximum cutting stability and safety is equipped with hardened steel plates which can be replaced in case of wear.
- Bar support with a roller on the infeed side: roller sliding on a ball screw linear guide to be easily moved when mitering at any angle.

USER-FRIENDLINESS

- The turning cutting table is assembled on a central pin and roller thrust bearing thus allowing an easy and smooth rotation at any angle and turning along with the saw head thus preventing to cut it through.
- Angles scale engraved on the turning table allows to easily perform precise cuts in perfect tolerance at any angle.
- The coolant flood underneath the cutting table avoids the accumulation of chips and downtimes during the chip removal.
- The quick releasing clamping system allows to manually open/close the vice in an easy way.
- The clamping unit sliding longitudinally to the right and left of the saw head allows to safely perform even precise miter cuts.
- A user-friendly interface with display and mechanical buttons ensures a reliable, easy and intuitive programming.



CAST-IRON STRUCTURE

Cast-iron structure of the saw head, cutting table and vice to absorb vibrations during the cut and ensure longer blade life.



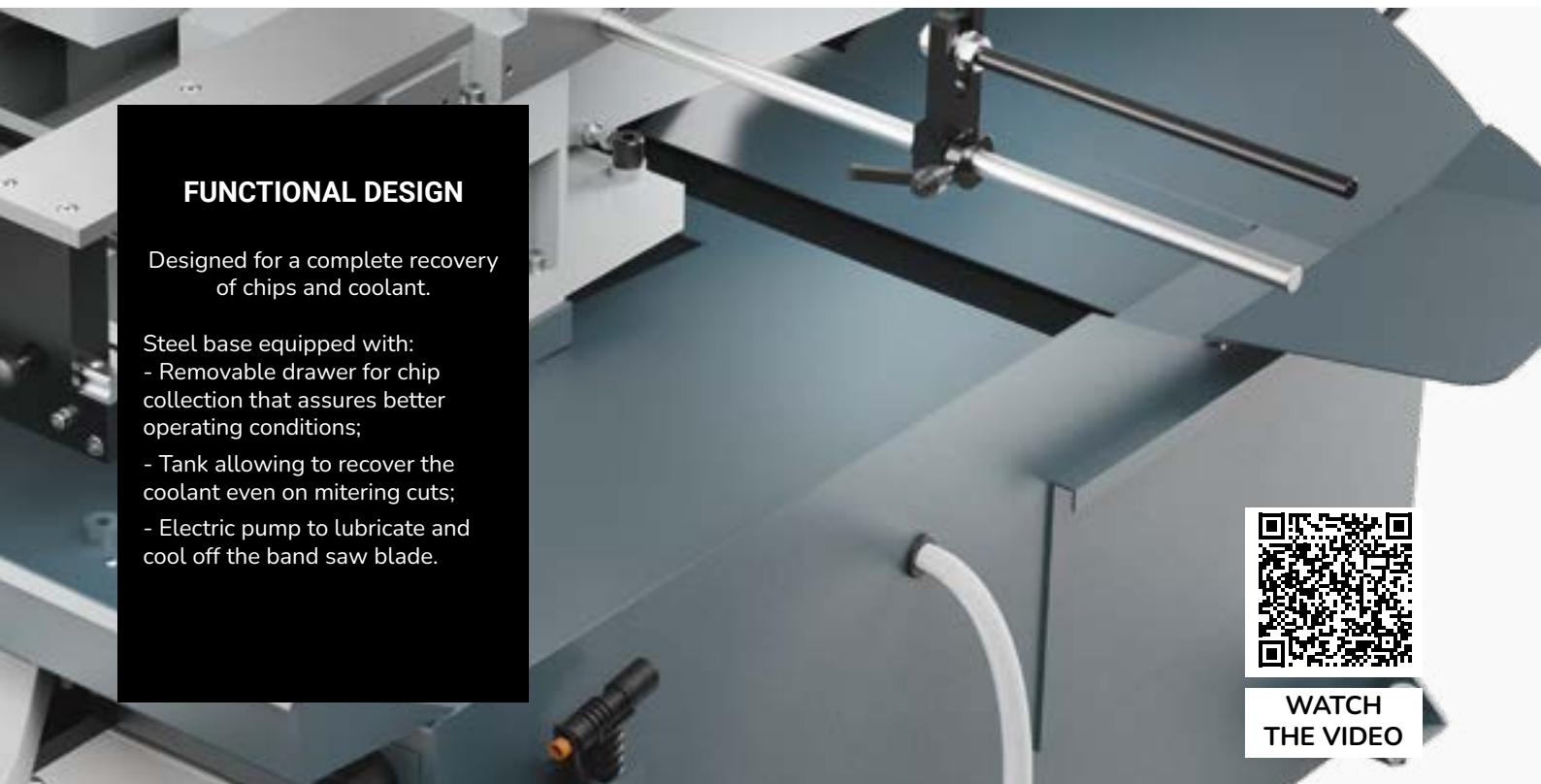
HYDRAULIC POSITIVE HEAD DOWN FEED RATE AND VICE CONTROL

Hydraulic system to control both the vice and head down feed rate that grants a constant pressure during the cut according to the feed set by the operator.



VECTOR INVERTER FOR INFINITE VARIABLE BLADE ROTATION SPEED SETTING

4.0 KW motor insulation class IP55 with vector inverter for infinite variable blade speed from 15 to 100 m/min.



FUNCTIONAL DESIGN

Designed for a complete recovery of chips and coolant.










Steel base equipped with:

- Removable drawer for chip collection that assures better operating conditions;
- Tank allowing to recover the coolant even on mitering cuts;
- Electric pump to lubricate and cool off the band saw blade.



WATCH THE VIDEO

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				-60°	250	240x320	250	
				-45°	320	380x320	320	
mm	kW	m/min	mm	0°	330	510x320	320	kg
4640x34x1.1	4	15÷100	515	+45°	320	350x320	320	1190
				+60°	230	220x310	230	



SHARK

652 SXI H 5.0 MANUAL MITERING

MITER CUTTING • METALS • TUBES • PROFILES • BEAMS



SHARK 652 SXI H 5.0, dual-column electrohydraulic semi-automatic band sawing machine to cut tubes, profiles and beams mitering from -60° to $+60^{\circ}$. In the optional AUTOMATIC MITERING mode, saw head mitering is executed automatically.



ABSOLUTE EFFICIENCY

- The automatic setting of the saw head upper position by means of a laser projector reduces programming time.
- The automatic alignment of the front blade guide head according to the dimension of the material to cut reduces setting time of the sawing machine.
- The hydraulic clamping system is equipped with two independent vices on the left and on the right of the saw blade, thus allowing to safely execute precise and burr-free angle cuts.
- The coolant flood underneath the cutting table avoids the accumulation of chips and downtimes during the chip removal.
- The vector inverter for infinite variable blade rotation speed from 15 to 150 m/min allows to adjust the saw blade rotation speed according to the type of material.

EXCEPTIONAL FLEXIBILITY

- The electromechanical servo system for the dynamic blade tensioning allows its continuous self-adjustment, thus ensuring greater cutting precision and longer blade life.
- The OPTIONAL system of hydraulic pop-up rollers lifts the bar from the working surface to avoid any kind of contact with the material during loading and unloading.
- The adaptative saw head feed force according to the resistance encountered by the blade during the cut allows to perform cuts with excellent finishing in any condition, even in case of worn-out blade.
- The junction between the cutting vice and the vertical support of the front blade guide head reduces setting time of the sawing machine, thus allowing their automatic positioning according to the section to cut.



MOTION OF THE SAW HEAD ON LINEAR GUIDES WITH PRELOADED BALL SCREW SLIDES

Motion of the saw head on linear guides with preloaded ball screw slides, powered by two hydraulic cylinders: 3-degree canted saw head suitable to cut the horizontal sides of bars or bundles.



SAW HEAD MANUAL MITERING

Cutting angle is set by manual mitering of the saw head through a handle and servo control for hydraulic locking. Cutting angle showed on the display.



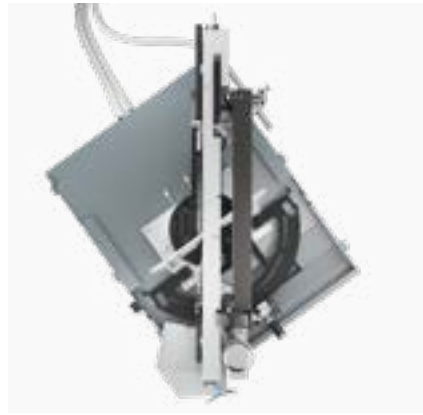
SAW HEAD AUTOMATIC MITERING

With the optional AUTOMATIC MITERING (cutting angle programming from control panel with hydraulic locking of the saw head), the cutting angle is reached by means of a rack and chain transmission. Two cutting cycles are available: A) automatic cycle for single miter cuts; B) automatic cycle for 2 miter cuts to be executed alternatively.



CAST-IRON STRUCTURE

Cast-iron structure to absorb vibrations and ensure maximum cutting stability and longer blade life.



DESIGN ALLOWING COMPLETE RECOVERY OF THE COOLANT

Base and turning table designed to allow both a better chip removal from the working table and complete recovery of the coolant.



WATCH THE VIDEO

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mm	kW	m/min	mm	Cutting Angle				kg
				°	mm	mm	mm	
6700x41x1.3	9.2	15÷150	660	-60°	250	250x450	250	2800
				-45°	400	400x450	400	
				0°	450	650x450	450	
				+45°	400	400x450	400	
				+60°	250	250x450	250	



SHARK

652 SXI H 5.0 AUTOMATIC MITERING

MITER CUTTING • METALS • TUBES • PROFILES • BEAMS



SHARK 652 SXI H 5.0 - AUTOMATIC MITERING, dual-column electrohydraulic semi-automatic band sawing machine to cut tubes, profiles and beams mitering from -60° to +60° - the saw head mitering is executed automatically.



ABSOLUTE EFFICIENCY

- The automatic setting of the saw head upper position by means of a laser projector reduces programming time.
- The automatic alignment of the front blade guide head according to the dimension of the material to cut reduces setting time of the sawing machine.
- The hydraulic clamping system is equipped with two independent vices on the left and on the right of the saw blade, thus allowing to safely execute precise and burr-free angle cuts.
- The coolant flood underneath the cutting table avoids the accumulation of chips and downtimes during the chip removal.
- The vector inverter for infinite variable blade rotation speed from 15 to 150 m/min allows to adjust the saw blade rotation speed according to the type of material.

EXCEPTIONAL FLEXIBILITY

- The electromechanical servo system for the dynamic blade tensioning allows its continuous self-adjustment, thus ensuring greater cutting precision and longer blade life.
- The OPTIONAL system of hydraulic pop-up rollers lifts the bar from the working surface to avoid any kind of contact with the material during loading and unloading.
- The adaptative saw head feed force according to the resistance encountered by the blade during the cut allows to perform cuts with excellent finishing in any condition, even in case of worn-out blade.
- The junction between the cutting vice and the vertical support of the front blade guide head reduces setting time of the sawing machine, thus allowing their automatic positioning according to the section to cut.



SAW HEAD AUTOMATIC MITERING

The cutting angle is reached by means of a rack and chain transmission. Two cutting cycles are available: A) automatic cycle for single miter cuts; B) automatic cycle for 2 miter cuts to be executed alternatively.



CAST-IRON STRUCTURE

Cast-iron structure to absorb vibrations and ensure maximum cutting stability and longer blade life.



MOTION OF THE SAW HEAD ON LINEAR GUIDES WITH PRELOADED BALL SCREW SLIDES










Motion of the saw head on linear guides with preloaded ball screw slides, powered by two hydraulic cylinders: 3-degree canted saw head suitable to cut the horizontal sides of bars or bundles.



DESIGN ALLOWING COMPLETE RECOVERY OF THE COOLANT

Base and turning table designed to allow both a better chip removal from the working table and complete recovery of the coolant.

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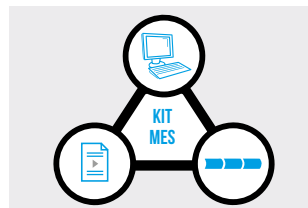
								
				-60°	250	250x450	250	
mm	kW	m/min	mm	-45°	400	400x450	400	kg
				0°	450	650x450	450	
				+45°	400	400x450	400	
				+60°	250	250x450	250	
				6700x41x1.3	9.2	15÷115	660	

OPTIONS SHARK



OPTION N° 02

5 L emulsifiable oil pack



OPTION N° 15

MePlan: Kit MES



OPTION N° 03

Spray mist system



OPTION N° 32

Vice pressure regulator



OPTION N° 04

Bi-Metal band saw blade



OPTION N° 34

Laser projector
& work light



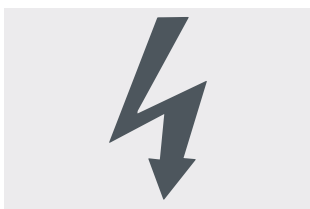
OPTION N° 10

Supplementary foot pedal
control with emergency stop



OPTION N° 70

Roller conveyor
KK530/1500 mm



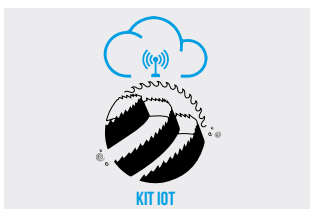
OPTION N° 11

Voltage adaption for
200-220V 50/60Hz
three-phase



OPTION N° 72

Roller conveyor
KK330HD/1500 mm



OPTION N° 14

Kit IoT Industry 4.0 Ready



OPTION N° 73

Roller conveyor
KK330/1500 mm



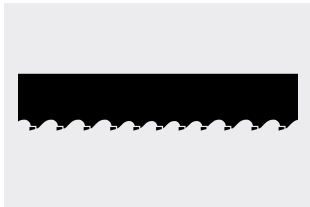
OPTION N° 75

Roller conveyor
KK530/3000 mm



OPTION N° 95

Jaws to reduce remnant
max. 30 mm



OPTION N° 85

TCT Bi-Metal band
saw blade



OPTION N° 96

Fixed camera



OPTION N° 91

Hydraulic overhead
bundlings
350x350 mm



OPTION N° 97

Folding back doors



OPTION N° 92

Hydraulic overhead
bundlings
max. 460x460 mm



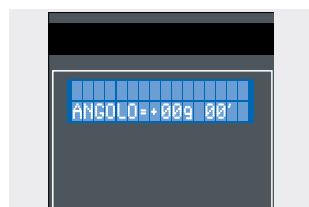
OPTION N° 99

Powered dredging
chip conveyor



OPTION N° 93

Band saw blade
deviation device



OPTION N° 101

Digital angle display



OPTION N° 94

Jaws to reduce remnant
max. 25 mm



OPTION N° 104

Hydraulic POP-UP roller
left



OPTION N° 105

Hydraulic POP-UP roller right



OPTION N° 114

Bar sensors to optimize remnant



OPTION N° 107

CB 6001 - Automatic chute loading magazine



OPTION N° 115

Bandsaw upgrade to 41 mm blade (in place of the standard blade of 34mm)



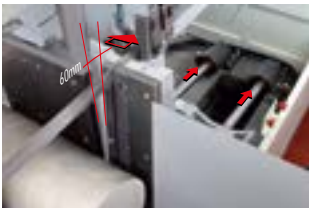
OPTION N° 108

Hydraulic overhead bundlings for bundle cutting max. 660x660 mm



OPTION N° 116

Bandsaw upgrade to 41 mm blade (in addition to the standard blade of 34mm)



OPTION N° 109

Retractable fixed vice jaw



OPTION N° 117

Adapter for unloading table



OPTION N° 110

Kit blade speed 200 m/min (34-mm band)



OPTION N° 118

Hydraulic overhead bundling for bundle cutting max. 510x180 mm



OPTION N° 111

Kit blade speed 200 m/min (41-mm band)



OPTION N° 119

Unloading table adapter



OPTION N° 113

Hydraulic overhead bundlings equipped with vice to reduce remnant (only for multiple bars on one layer) max. 250x160 mm



OPTION N° 120

Loading table adapter



OPTION N° 124

Blade-guide heads coolant flow control device



OPTION N° 131

Loading table adapter with motorized sliding rollers



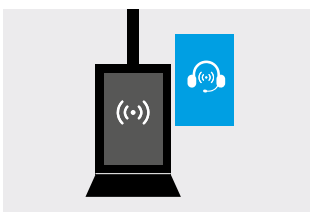
OPTION N° 125

Remnant optimization kit (bar remnant held inside the cutting vice - good piece in the outfeed)



OPTION N° 132

Stainless steel belt chip conveyor



OPTION N° 126

Wi-Fi remote service



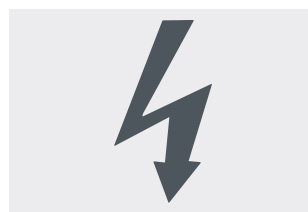
OPTION N° 133

Kit for chip conveyor assembly on the left



OPTION N° 127

Adapter for loading table



OPTION N° 134

Adaption of voltage different from V.400-415 50Hz and V.480 60Hz



OPTION N° 128

Adapter for unloading table with support



OPTION N° 135

Roller conveyor KK730/1500 mm



OPTION N° 129

Adapter for loading table with support



OPTION N° 136

Roller conveyor KK730/3000 mm



OPTION N° 130

Unloading table adapter with motorized sliding rollers



TIGER

PROFESSIONAL LINE OF COLUMN CIRCULAR SAWING MACHINES

Among all our sawing machines, the TIGER line is the one that guarantees a finished cut which does not require further processing. For machine users, this results in a saving of time and labor, as well as material. Furniture and window manufacturers, precision mechanical workshops and automotive companies are those who prefer this range of sawing machines consisting of nine models, including two for light alloys cutting.

AUTOMATIC

Ideal for both large size production batches even on multiple work shifts and cuts in series in continuous cycle. Presence of the operator is not necessary during the cutting cycles, which can also automatically measure the piece to cut. Due to the characteristics of the circular blade, the cut finishing is smooth.



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TIGER 372 CNC LR 4.0 RC

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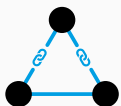
TIGER 402 CNC HR 4.0

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TIGER 402 CNC HR 4.0 RC

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OPTIONS

PAGE 56



TIGER 372 CNC LR 4.0

MITER CUTTING • METALS • TUBES • PROFILES • BEAMS



TIGER 372 CNC LR 4.0, electropneumatic automatic circular sawing machine to cut steels mitering from -45° to $+60^\circ$. In addition to the automatic cutting cycle, it can also operate in semi-automatic mode.



ABSOLUTE EFFICIENCY

- The two working modes (semi-automatic and automatic ones) allow to perform any kind of cut in the most efficient way.
- The control allowing to store up to 300 cutting programs, each one with different quantities and lengths, minimizes programming time of regular jobs.
- The clamping unit, which is equipped with both a horizontal pneumatic cutting-off vice sliding on the left and right side of the blade and a vertical vice, ensures an efficient and safe clamping of the material even in case of tube cutting.
- The three-stage gear transmission allows to perform high-speed cuts, thus ensuring longer blade life.

EXCEPTIONAL FLEXIBILITY

- The bar feeder with single stroke 1000 mm is repeatable to cut at any length.
- The vector inverter for infinite variable blade speed from 15 to 150 rpm allows to adjust the saw blade rotation speed according to the type of material.
- The material library allows the automatic setting of the blade speed (S) and head down feed rate (F) according to the type of material. Moreover, from the extendable material library, you can choose the type and the geometry of the material, the hardness and the type of blade. Accordingly, the control sets the right blade speed and head down feed rate.
- The adjustable steel anti-burr device clamps the material both in the infeed and outfeed, thus granting a burr-free cut.
- The saw head mitering system is manual by means of fixed mechanical stops at -45° , 0° , $+45^\circ$ and $+60^\circ$ and a locking device at all angles in between.



ADAPTATIVE SAW HEAD DOWN FEED RATE

Self-regulation in real-time of head down feed rate according to the type of material that grants a great surface finishing in any working condition, even in case of blade wear.

INDUSTRY 4.0 READY - IOT

The optional IOT allows to maximize data collection and use them in favor of a better sawing machine cutting performance and longer blade life.

MOTION OF THE SAW HEAD ON LINEAR GUIDES

Motion of the saw head on linear guides with preloaded ball screw slides that ensures a mechanical vibration reduction during the cut.

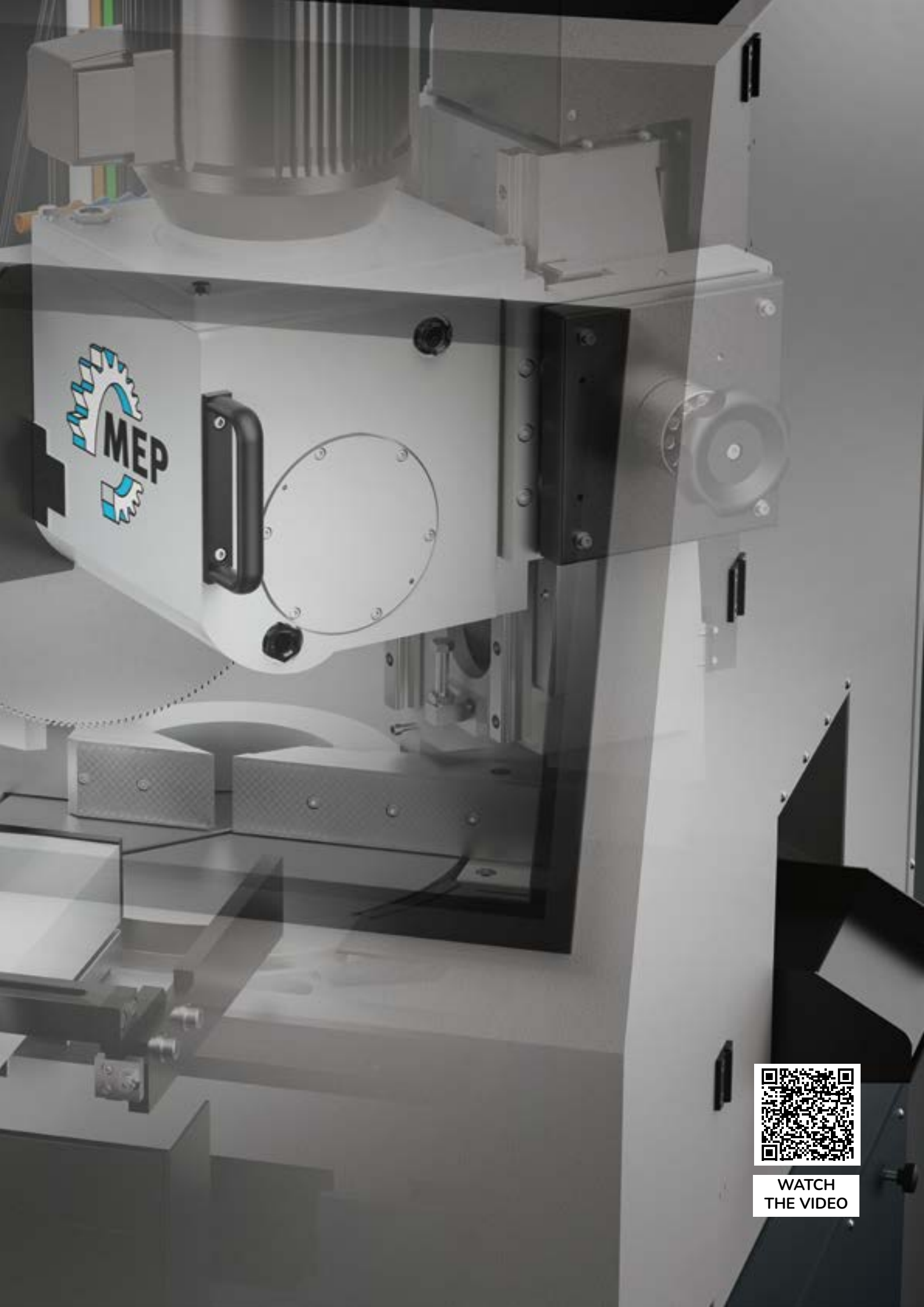
CAST-IRON STRUCTURE

Cast-iron structure to absorb vibrations and ensure greater cutting stability and longer blade life.

OPTIONS FROM PAGE 56 - N° 02 - 03 - 05 - 10 - 11 - 14 - 15 - 56 - 71 - 87 - 89 - 99 - 102 - 106 - 112 - 121 - 122 - 123

HSS	kW	rpm	mm	-45°	Ø	○	□	▭	●	■	▬	kg
						0°	+	-	-	-		
370x32x3	5.5	15÷150	190	-45°	370	115	100	125x100	70	70	-	1060
				0°		120	100	180x100	120	100	180x100	
				+45°		115	100	125x100	70	70	-	
				+60°		115	95	-	50	50	-	





WATCH
THE VIDEO



TIGER 372 CNC LR 4.0 RC

MITER CUTTING • METALS • TUBES • PROFILES • BEAMS



TIGER 372 CNC LR 4.0 RC, electropneumatic automatic circular sawing machine to cut steels mitering from -45° to $+60^{\circ}$. In addition to the automatic cutting cycle, it can also operate in semi-automatic mode.

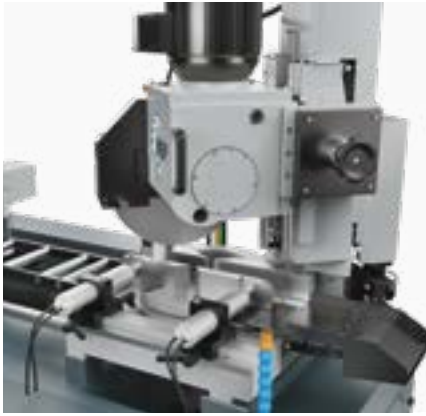


ABSOLUTE EFFICIENCY

- The two working modes (semi-automatic and automatic ones) allow to perform any kind of cut in the most efficient way.
- The control allowing to store up to 300 cutting programs, each one with different quantities and lengths, minimizes programming time of regular jobs.
- The automatic acquisition of the saw head cutting start position reduces setting time.
- The clamping unit, which is equipped with both a horizontal pneumatic cutting-off vice sliding on the left and right side of the blade and a vertical vice, ensures an efficient and safe clamping of the material even in case of tube cutting.
- The three-stage gear transmission allows to perform high-speed cuts, thus ensuring longer blade life.

EXCEPTIONAL FLEXIBILITY

- The bar feeder with single stroke 1000 mm is repeatable to cut at any length.
- The vector inverter for infinite variable blade speed from 15 to 150 rpm allows to adjust the saw blade rotation speed according to the type of material.
- The material library allows the automatic setting of the blade speed (S) and head down feed rate (F) according to the type of material. Moreover, from the extendable material library, you can choose the type and the geometry of the material, the hardness and the type of blade. Accordingly, the control sets the right blade speed and head down feed rate.



CAST-IRON STRUCTURE

Cast-iron structure to absorb vibrations and ensure greater cutting stability and longer blade life.



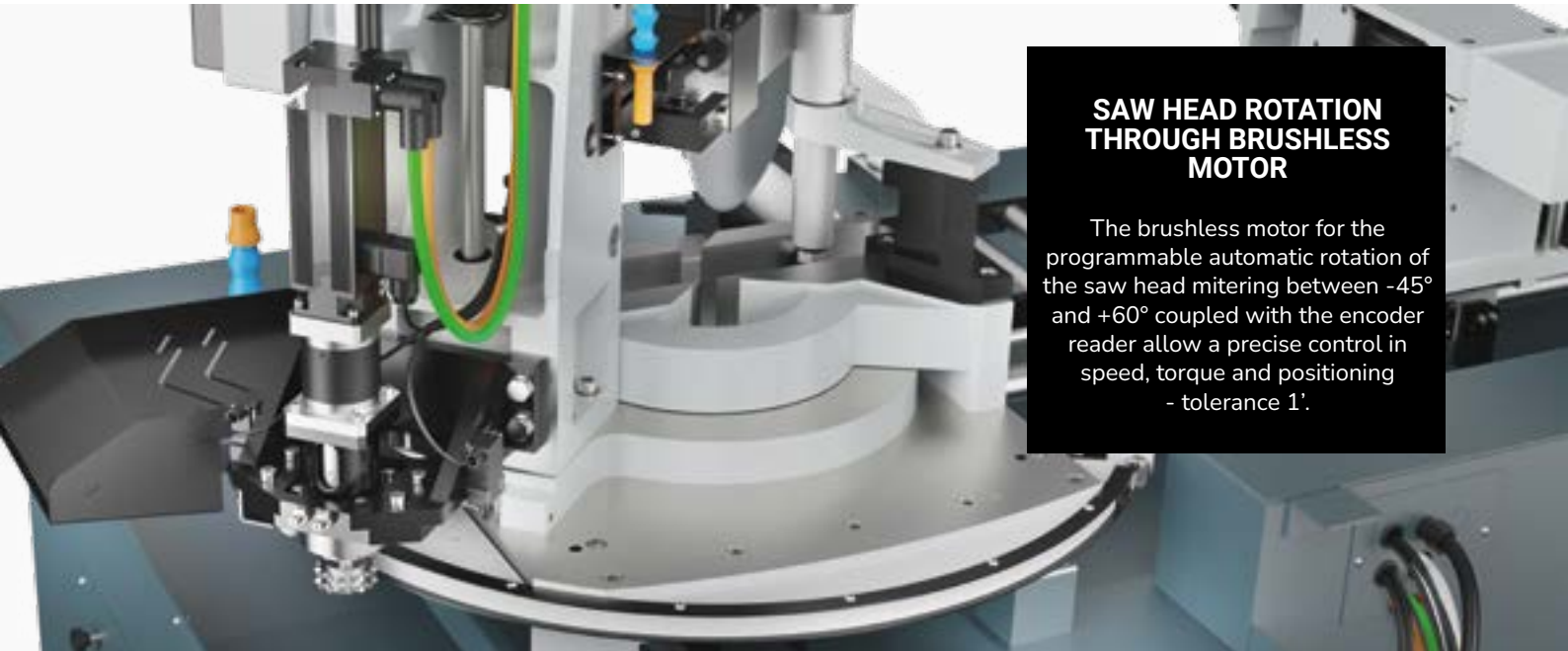
INDUSTRY 4.0 READY - IOT

The optional IOT allows to maximize data collection and use them in favor of a better sawing machine cutting performance and longer blade life.



MOTION OF THE SAW HEAD ON LINEAR GUIDES

Motion of the saw head powered by a servo motor on linear guides with preloaded ball screw slides on ball screw nut. Auto-check of all data set/ recorded so as to adjust cutting parameters in real-time, thus granting cutting stability and a mechanical vibration reduction during the cut.



SAW HEAD ROTATION THROUGH BRUSHLESS MOTOR

The brushless motor for the programmable automatic rotation of the saw head mitering between -45° and $+60^\circ$ coupled with the encoder reader allow a precise control in speed, torque and positioning - tolerance 1'.

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 HSS					\emptyset					
				-45°		55	55	-	55x80	
				0°	370	110	95	180x95	-	
mm	kW	rpm	mm	$+45^\circ$		80	80	-	80x95	kg
370x32x3	5.5	15÷150	190	$+60^\circ$		30	30	-	30x85	1060





WATCH
THE VIDEO



TIGER 402 CNC HR 4.0

MITER CUTTING • LIGHT ALLOYS •
TUBES • PROFILES • EXTRUDED



TIGER 402 CNC HR 4.0, electropneumatic automatic circular sawing machine to cut aluminium and light alloys mitering from -45° to $+60^{\circ}$. In addition to the automatic cutting cycle, it can also operate in semi-automatic mode.



ABSOLUTE EFFICIENCY

- The two working modes (semi-automatic and automatic ones) allow to perform any kind of cut in the most efficient way.
- The control allowing to store up to 300 cutting programs, each one with different quantities and lengths, minimizes programming time of regular jobs.
- The automatic acquisition of the saw head cutting start position reduces setting time.
- The clamping unit, which is equipped with both two horizontal pneumatic cutting-off vices sliding on the left and right side of the blade and a vertical vice, ensures an efficient and safe clamping of the material even in case of tube cutting.
- The transmission system equipped with pulleys and toothed belts allows cutting at high speed thus ensuring exceptional blade stiffness and longer blade life.

EXCEPTIONAL FLEXIBILITY

- The material library allows the automatic setting of the blade speed (S) and head down feed rate (F) according to the type of material. Moreover, from the extendable material library, you can choose the type and the geometry of the material, the hardness and the type of blade. Accordingly, the control sets the right blade speed and head down feed rate.
- The saw head mitering system is manual by means of fixed mechanical stops at -45° , 0° , $+45^{\circ}$ and $+60^{\circ}$ and a locking device at all angles in between.
- The adjustable steel anti-burr device clamps the material both in the infeed and outfeed, thus granting a burr-free cut.
- The bar feeder with single stroke 1000 mm is repeatable to cut at any length.
- The two-speed motor (1400/2800 rpm) for the HM circular blade rotation allows to cut any section of material in an efficient way.



ADAPTATIVE SAW HEAD DOWN FEED RATE

Self-regulation in real-time of head down feed rate according to the type of material that grants a great surface finishing in any working condition, even in case of blade wear.



INDUSTRY 4.0 READY - IOT

The optional IOT allows to maximize data collection and use them in favor of a better sawing machine cutting performance and longer blade life.



MOTION OF THE SAW HEAD ON LINEAR GUIDES

Motion of the saw head powered by a pneumatic cylinder on linear guides with preloaded ball screw slides on ball screw nut. Auto-check of all data set/recorded so as to adjust cutting parameters in real-time, thus granting cutting stability and a mechanical vibration reduction during the cut.

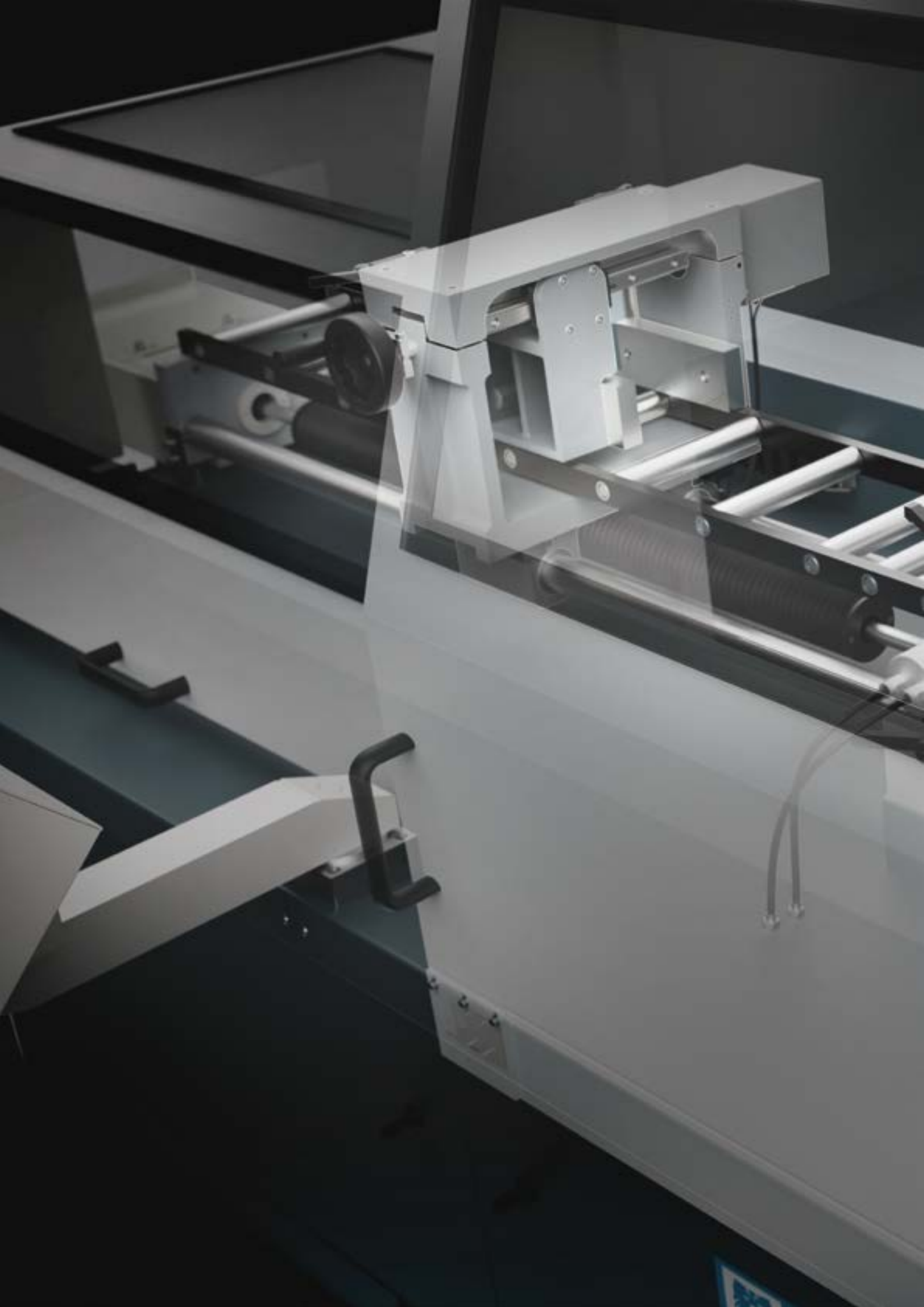


CAST-IRON STRUCTURE

Cast-iron structure to absorb vibrations and ensure greater cutting stability and longer blade life.

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HM	kW	rpm	mm	-		Ø	●	■	▬	kg
				-45°	0°					
400x32x3.8	3.3/4.4	1400/2800	185	+45°	+60°	400	115	100	120x100	1060
							130	120	180x100	
							115	100	120x100	
							115	90	90x90	





WATCH
THE VIDEO

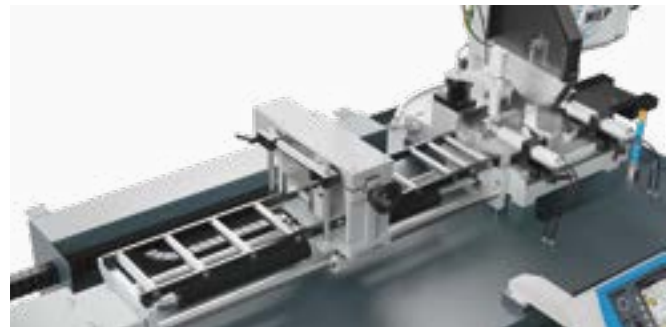


TIGER 402 CNC HR 4.0 RC

MITER CUTTING • LIGHT ALLOYS •
TUBES • PROFILES • EXTRUDED



TIGER 402 CNC HR 4.0 RC, electropneumatic automatic circular sawing machine to cut aluminium and light alloys mitering from -45° to $+60^{\circ}$. In addition to the automatic cutting cycle, it can also operate in semi-automatic mode.



ABSOLUTE EFFICIENCY

- The two working modes (semi-automatic and automatic ones) allow to perform any kind of cut in the most efficient way.
- The control allowing to store up to 300 cutting programs, each one with different quantities and lengths, minimizes programming time of regular jobs.
- The automatic acquisition of the saw head cutting start position reduces setting time.
- The clamping unit, which is equipped with both two horizontal pneumatic cutting-off vices sliding on the left and right side of the blade and a vertical vice, ensures an efficient and safe clamping of the material even in case of tube cutting.
- The transmission system equipped with pulleys and toothed belts allows cutting at high speed thus ensuring exceptional blade stiffness and longer blade life.
- The brushless motor for the programmable automatic rotation of the saw head mitering between -45° and $+60^{\circ}$ coupled with the encoder reader allow a precise control in speed, torque and positioning - tolerance $1'$.

EXCEPTIONAL FLEXIBILITY

- The material library allows the automatic setting of the blade speed (S) and head down feed rate (F) according to the type of material. Moreover, from the extendable material library, you can choose the type and the geometry of the material, the hardness and the type of blade. Accordingly, the control sets the right blade speed and head down feed rate.
- The two-speed motor (1400/2800 rpm) for the HM circular blade rotation allows to cut any section of material in an efficient way.
- The bar feeder with single stroke 1000 mm is repeatable to cut at any length.



ADAPTATIVE SAW HEAD DOWN FEED RATE

Self-regulation in real-time of head down feed rate according to the type of material that grants a great surface finishing in any working condition, even in case of blade wear.

INDUSTRY 4.0 READY - IOT

The optional IOT allows to maximize data collection and use them in favor of a better sawing machine cutting performance and longer blade life.

MOTION OF THE SAW HEAD ON LINEAR GUIDES

Motion of the saw head powered by a servo motor on linear guides with preloaded ball screw slides on ball screw nut. Auto-check of all data set/recorded so as to adjust cutting parameters in real-time, thus granting cutting stability and a mechanical vibration reduction during the cut.



CAST-IRON STRUCTURE
 Cast-iron structure to absorb vibrations and ensure greater cutting stability and longer blade life.

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HM	kW	rpm	mm	-			Ø	●	■	▬	kg
				-45°	0°	+45°					
400x32x3.8	3.3/4.4	1400/2800	185		400		115	100	120x100		
				+60°			130	120	180x100		
							115	100	120x100		
							115	90	90x90	1060	





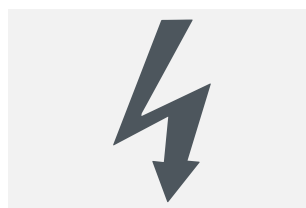
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THE VIDEO

OPTIONS TIGER



OPTION N° 02

5 L emulsifiable oil pack



OPTION N° 11

Voltage adaption for 200-220V 50/60Hz three-phase



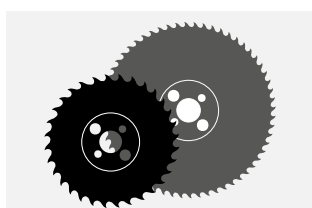
OPTION N° 03

Spray mist system



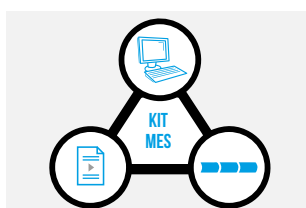
OPTION N° 14

Kit IoT Industry 4.0 Ready



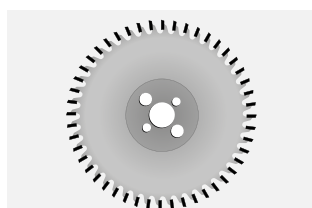
OPTION N° 05

Circular blade HSS



OPTION N° 15

MePlan: Kit MES



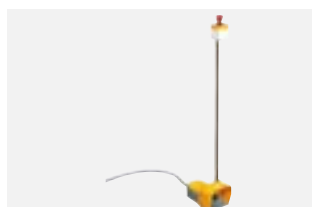
OPTION N° 06

Circular blade TCT



OPTION N° 56

Roller conveyor KK200V/1500 mm
Rollers inclined at 45° when machine equipped with bundle comb jaws



OPTION N° 10

Supplementary foot pedal control with emergency stop



OPTION N° 71

Roller conveyor KK200/1500 mm



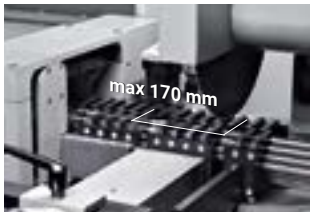
OPTION N° 86

Adapter for unloading table



OPTION N° 98

Chip collector Turbo 2500



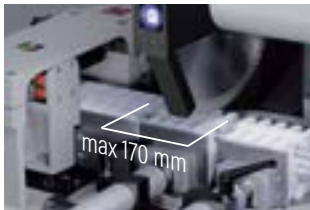
OPTION N° 87

Set of comb jaws (max. 70x70 mm - min. 10x10 mm) with remnant reduction to 170 mm - only for automatic cutting at 0°



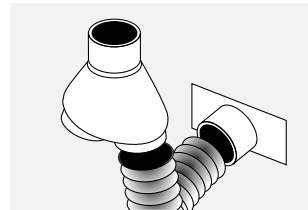
OPTION N° 99

Powered dredging chip conveyor



OPTION N° 88

Set of nylon comb jaws (max 75x75 mm) to reduce remnant



OPTION N° 100

Kit for double suction



OPTION N° 89

Supplementary pneumatic vice



OPTION N° 102

Blade guide and extended saw blade flange - max. cutting capacity Ø 105 mm



OPTION N° 90

Set of nylon comb jaws (max 75x75 mm)



OPTION N° 103

Special vice to reduce remnant (max. 160 mm)



OPTION N° 106

CB 6001 - Automatic chute loading magazine



OPTION N° 112

Adapter for unloading table with support



OPTION N° 121

Adjustable support for bundle cutting (feeder stroke reduced by 100mm)



OPTION N° 122

Outfeed chute for bundle comb jaws



OPTION N° 123

Automatic continuous bar feeding through material sensors

CONVEYORS FOR SAWING MACHINES

	ADAPTERS		KK IDLER ROLLER CONVEYORS							KK MOTORIZED ROLLER CONVEYORS					
	LOADING	UNLOADING	KK200	KK330	KK330 HD	KK 460	KK 530	KK 730	KK 930	CONTROL A			CONTROL B		
										KK 530	KK730	KK 930	KK 530	KK730	KK930
SHARK 332 RC KONNECT				•	•										
SHARK 350 NC HS 5.0		•					•			•			•		
SHARK 350 CNC HS 4.0							•			•			•		
SHARK 460 KONNECT	•							•			•			•	
SHARK 660 CNC HS 4.0								•			•			•	
SHARK 512 SXI EVO	•	•					•			•			•		
SHARK 652 SXI H 5.0	•	•						•			•			•	
TIGER 372 CNC LR 4.0		•													
TIGER 372 CNC LR 4.0 RC		•													
TIGER 402 CNC HR 4.0		•													
TIGER 402 CNC HR 4.0 RC		•													

OPTIONS IDLER CONVEYORS

	VERTICAL ROLLER
	SET OF VERTICAL ROLLERS
	TWO SETS OF VERTICAL ROLLERS
	HEAVY-DUTY VERTICAL ROLLER
	ADJUSTABLE VERTICAL ROLLER
	HYDRAULIC SQUARING VICE
	TRAY COOLANT RECOVERY
	ADDITIONAL SUPPORT
	SAFETY FILLER PLATES
	STAGING SKIDS
	MEASURING STOP DEVICE R1
	MEASURING STOP DEVICE R2
	MEASURING STOP DEVICE R3
	MEASURING STOP DEVICE R4
	MEASURING STOP DEVICE FLASH
	CHAIN CROSS TRANSFER
	TRUCK & TROLLEY CROSS TRANSFER
	ARROW (M, S, A)
	BLAZE (S, A)







KK IDLER ROLLER CONVEYORS




	VERTICAL ROLLER	SET OF VERTICAL ROLLERS	TWO SETS OF VERTICAL ROLLERS	HEAVY-DUTY VERTICAL ROLLER	ADJUSTABLE VERTICAL ROLLER	HYDRAULIC SQUARING VICE	TRAY COOLANT RECOVERY	ADDITIONAL SUPPORT	SAFETY FILLER PLATES	STAGING SKIDS	MEASURING STOP DEVICE R1	MEASURING STOP DEVICE R2	MEASURING STOP DEVICE R3	MEASURING STOP DEVICE R4	MEASURING STOP DEVICE FLASH	CHAIN CROSS TRANSFER	TRUCK & TROLLEY CROSS TRANSFER	ARROW (M, S, A)	BLAZE (S, A)
KK 200 								•			•	•	•						
KK 330 		•	•					•			•	•	•					•	
KK330HD 		•																•	
KK 460 		•	•					•				•	•					•	
KK 530 	•			•	•	•	•		•	•				•	•	•	•		•
KK 730 	•			•	•	•	•		•	•				•	•	•	•		•
KK 930 	•			•	•	•	•		•	•				•	•	•	•		•

• suitable

• it requires a control

OPTIONS MOTORIZED CONVEYORS

		VERTICAL ROLLER	SET OF VERTICAL ROLLERS	TWO SETS OF VERTICAL ROLLERS	HEAVY-DUTY VERTICAL ROLLER	ADJUSTABLE VERTICAL ROLLER	HYDRAULIC SQUARING VICE	TRAY COOLANT RECOVERY	ADDITIONAL SUPPORT	SAFETY FILLER PLATES	STAGING SKIDS	MEASURING STOP DEVICE R1	MEASURING STOP DEVICE R2	MEASURING STOP DEVICE R3	MEASURING STOP DEVICE R4	MEASURING STOP DEVICE FLASH	CHAIN CROSS TRANSFER	TRUCK & TROLLEY CROSS TRANSFER	ARROW (M, S, A)	BLAZE (S, A)
KKA MOTORIZED ROLLER CONVEYORS (MANUAL FREE STAND CONTROL WITH JOYSTICK)																				
KK 530		•			•	•	•	•		•	•									
KK 730		•			•	•	•	•		•	•									
KK 930		•			•	•	•	•		•	•									
KKB MOTORIZED ROLLER CONVEYORS (FIXED MANUAL FREE STAND CONTROL)																				
KK 530		•			•	•	•	•	•	•	•					•	•	•		
KK 730		•			•	•	•	•	•	•	•					•	•	•		
KK 930		•			•	•	•	•	•	•	•					•	•	•		

		VERTICAL ROLLER	SET OF VERTICAL ROLLERS	TWO SETS OF VERTICAL ROLLERS!	HEAVY-DUTY VERTICAL ROLLER	ADJUSTABLE VERTICAL ROLLER	HYDRAULIC SQUARING VICE	TRAY COOLANT RECOVERY	ADDITIONAL SUPPORT	SAFETY FILLER PLATES	STAGING SKIDS	MEASURING STOP DEVICE R1	MEASURING STOP DEVICE R2	MEASURING STOP DEVICE R3	MEASURING STOP DEVICE R4	MEASURING STOP DEVICE FLASH	CHAIN CROSS TRANSFER	TRUCK & TROLLEY CROSS TRANSFER	ARROW (M, S, A)	BLAZE (S, A)
KK 930		•			•	•	•	•	•	•	•					•	•	•		
KK 730		•			•	•	•	•	•	•	•					•	•	•		
KK 530		•			•	•	•	•	•	•	•					•	•	•		

KKC MOTORIZED ROLLER CONVEYORS (FIXED AUTOMATIC FREE STAND CONTROL)

TECHNICAL SPECIFICATIONS

	Rest piece no longer fed - standard -(mm)	Rest piece no longer fed with vice to reduce restpiece (mm)	Minimum cutting length (mm)	Cutting capacity with overhead bundling (mm)	Speed of feeding vice (m/min)	Max. weight that the feeding vice can pull (kg)
SHARK 332 RC KONNECT	390	-	10	-	6	1360
SHARK 350 NC HS 5.0	130	25	10	350X350	4.5	2720
SHARK 350 CNC HS 4.0	130	25	10	350X350	4.5	2720
SHARK 460 KONNECT	120	-	10	460X460	4.5	2720
SHARK 660 CNC HS 4.0	70	-	10	660X660	4.5	10000*
SHARK 512 SXI EVO	-	-	-	-	-	-
SHARK 652 SXI H 5.0 MANUAL MITERING	-	-	-	-	-	-
SHARK 652 SXI H 5.0 AUTOMATIC MITERING	-	-	-	-	-	-
TIGER 372 CNC LR 4.0	170	170	10	70X70	6	1360
TIGER 372 CNC LR 4.0 RC	260	-	-	-	6	1360
TIGER 402 CNC HR 4.0	160	160	-	70X70	6	1360
TIGER 402 CNC HR 4.0 RC	260	-	-	-	6	1360

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

Working table height (mm)	Capacity of the coolant tank (Lt)	Capacity of the hydraulic tank (Lt)	Blade length (mm)	Max. sawing machine sizes (mm)	Packing size (mm)
930	180	70	3770 ±30 X 27 X 0.9	3050 X 2300	2250 X 2300 X 3050
860	200	70	4640 ±40 X 34 X 1.1 4640 ±40 X 41 X 1.3	3050 X 2070	2200 X 2200 X 3200
870	200	70	4640 ±40 X 34 X 1.1 4640 ±40 X 41 X 1.3	3050 X 2360	2200 X 2200 X 3200
837	180	60	6350 ±30 X 41 X 1.3	3900 X 2300	2300 X 2300 X 3900
890	340	72	8400 ±40 X 54 X 1.6 8400 ±40 X 67 X 1.6	5000 X 2440	3000 X 2440 X 5000
880	82	2.5	4640 ±20 X 34 X 1.1	3260 X 1660	2100 X 2280 X 1800
938	95	25	6700 ±20 X 41 X 1.3	3400 X 3300	2100 X 3400 X 2350
938	95	25	6700 ±20 X 41 X 1.3	3400 X 3300	2100 X 3400 X 2350
940	105	-	HSS Ø 370 X 32 X 3	2500 X 2540	1800 X 2700 X 2100
940	105	-	HSS Ø 370 X 32 X 3	2500 X 2540	1800 X 2700 X 2100
1000	105	-	HM Ø 400 X 32 X 3.8	2500 X 2540	1800 X 2700 X 2100
1000	105	-	HM Ø 400 X 32 X 3.8	2500 X 2540	1800 X 2700 X 2100

MEP's passionate team of designers and technical experts use the latest mechanical design software to be at the forefront of metal cutting technology and to choose the most innovative and advanced solutions to all possible needs in metal cutting.

DESIGN AND PRODUCTION OF CUSTOM CUTTING LINES

MEP's technical staff are able to design and build custom cutting machines and equipments to meet all possible needs.

DO YOU NEED A SAW?

WE MAKE YOUR OWN SAW!







SERVICE & SUPPORT

The Mep After Sale Service supports Customers with a range of services that for years have been one of the Company's excellence.



SPARE PARTS

Our technical staff is always ready to guarantee you the best assistance in the identification of the spare parts, even for machines out of production, and shipping by the fastest couriers within 24-72 hours after placing the order.

Moreover, storage and modern logistics ensure that our spare parts warehouse is constantly optimized in order to guarantee maximum availability.



MAINTENANCE PLANS

A regular maintenance has several benefits: less frequent failures and breakages, longer life of the sawing machine and its parts, more efficient system.

Find out which maintenance plan is the most suitable for your production needs or check if the maintenance KIT suitable for your sawing machine is available. Maximize efficiency to avoid any unpleasant events! Prevent expensive downtime by relying on the experience of our after sale service team.



TRAINING PLANS

Conceived for your MEP sawing machines or cutting lines: these cutting-edge courses are oriented to customers and workshop practice and they are about notions and practice directly on the machine!

Stand out from the competition by taking full advantage of the potential of your sawing machine!



OVERHAUL

Restore the efficiency of your sawing machine by improving productivity, cutting precision and safety.



INTEGRATIONS AND OPTIMIZATIONS

Upgrades to enhance the software version in use, along with the integrations needed to connect its parts with other systems, maximize the efficiency of your workshop by making the most of its potential.

OUR EXPERIENCE AND SUPPORT TO GRANT YOUR EFFICIENCY, ALWAYS!

AFTER SALES PROGRAM

Given the primary importance of Customer Satisfaction, particular attention has been paid to the management of the After Sales Service by a highly specialized internal staff that constantly interacts with quality control, Authorized Customer Service Centres, Sales Office and End Customers.

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 supplies 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.

Autorizzazione del Ministero per i Beni e le Attività Culturali
Prot. n. 6603 del 5-7-2010



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