

2024 INDUSTRY

REVOLUTIONIZING THE FUTURE OF METAL CUTTING THROUGH INNOVATIVE SUSTAINABLE TECHNOLOGIES

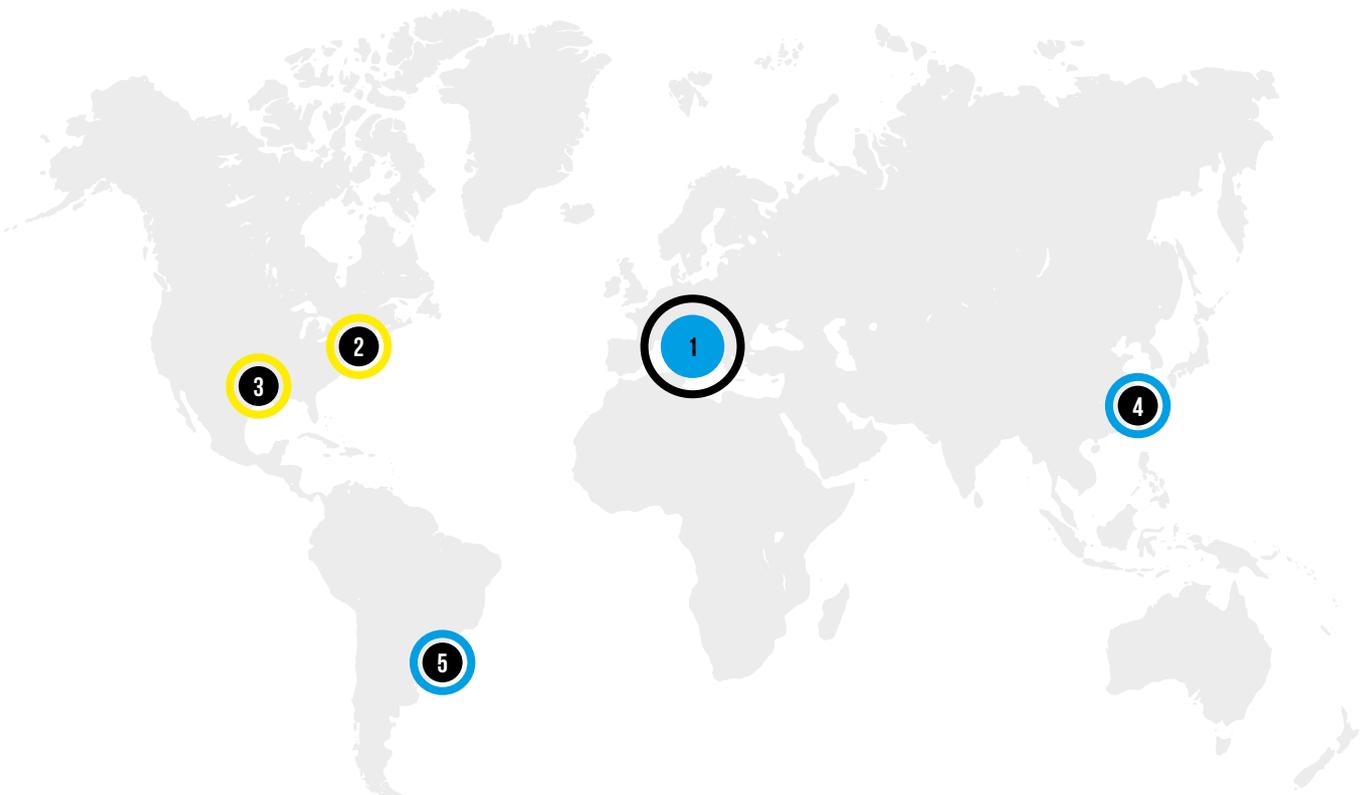
"... Our products and services for metal cutting are transforming the future of digital factory by offering a wide range of solutions to improve the efficiency and automation of production processes: this holistic approach has actually consolidated Industry 4.0 standards and is helping to define the 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.



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.





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.



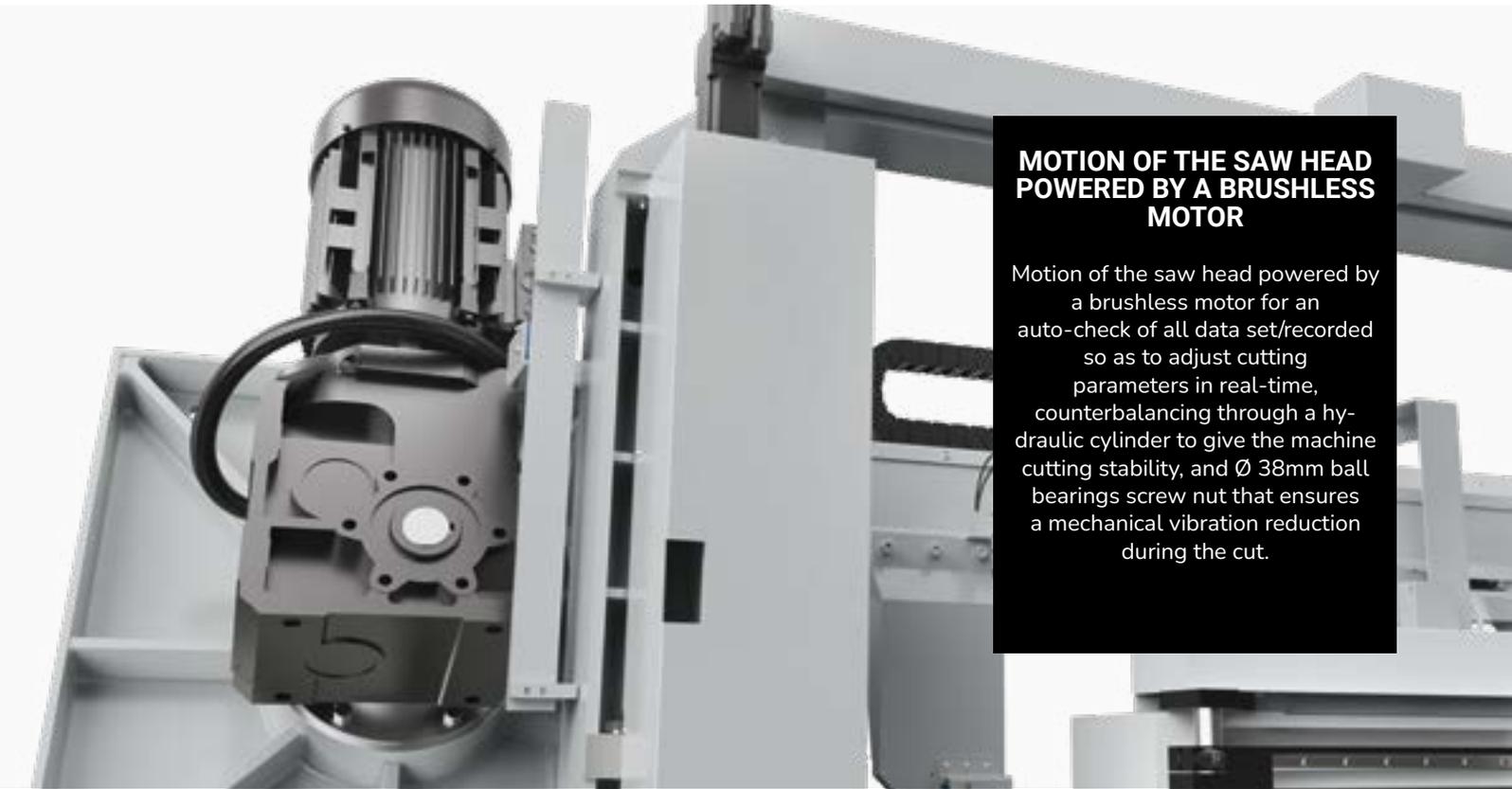
INDUSTRY 4.0 READY - IOT

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.

OPTIONS FROM PAGE 34 - N° 02 - 03 - 04 - 15 - 70 - 75 - 85 - 92 - 95 - 124 - 125 - 126 - 127 - 132 - 134

		 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.





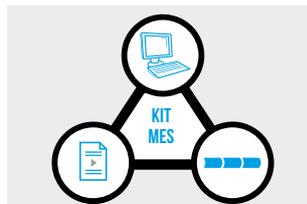
WATCH
THE VIDEO

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



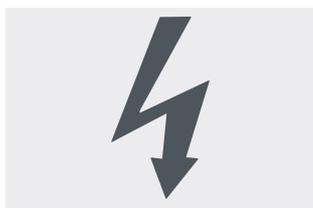
OPTION N° 10

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



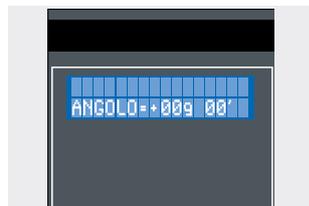
OPTION N° 99

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



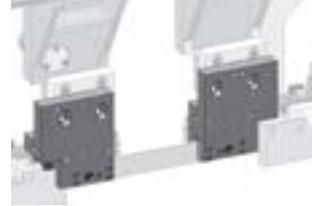
OPTION N° 114

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)



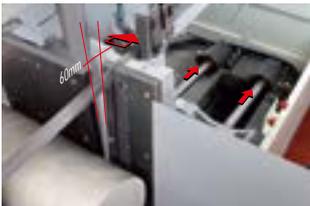
OPTION N° 108

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



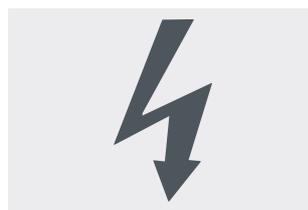
OPTION N° 133

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

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

		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	-	9	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!

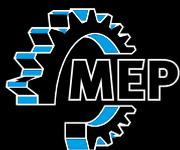
AFTER SALES PROGRAM

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.

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



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



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