

[₹] INDUSTRY



REVOLUTIONIZING THE FUTURE OF METAL CUTTING THROUGH INNOVATIVE SUSTAINABLE TECHNOLOGIES

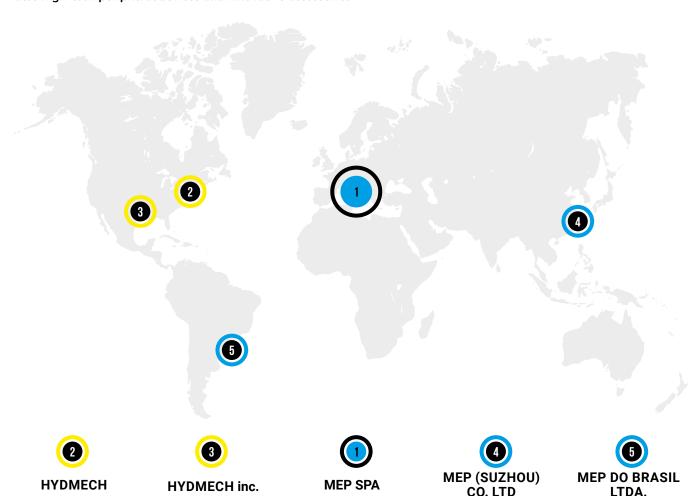
"... Our products and services for metal cutting are transforming the future of digital factory by offering a wide range of solutions to improve the efficiency and automation of production processes: this holistic approach has actually consolidated Industry 4.0 standards and is helping to define the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



Pergola (PU)

Italy

Suzhou P.R.

China

São Paulo - SP

Brazil

Woodstock, ON

Canada

Conway, AR

USA





Year of foundation



Headquarters in 4 continents



smq of production plant



Employees



Distributors and dealers all over the world



Countries to which our products are distributed



Sawing machines models



Material Handling System solutions



Customized solutions manufactured annually



Maximum cutting capacity (mm)



Machines manufactured annually



Euro annual turnover









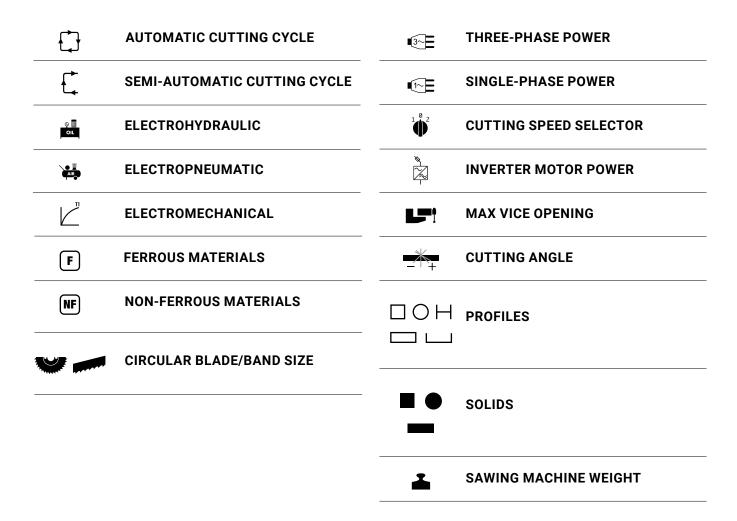




.... Believing that digitalization is the key to remaining competitive in the market and improving the quality of products and services, our goal is to promote innovation and sustainable development by putting at the service of our customers solutions that integrate the knowledge gained during the digitalization 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



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

The published photos may include non-standard details.





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°. 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.



CAST-IRON STRUCTURE

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



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.



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.



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.



WATCH THE VIDEO

OPTIONS FROM PAGE 34 - N° 02 - 03 - 04 - 11 - 85 - 99 - 104 - 105 - 128 - 129 - 130 - 131 - 135 - 136

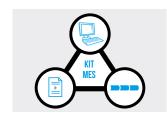
		0			0		Н	
*****	■ 3~ =	102		-60°	250	250x450	250	1
				-45°	400	400x450	400	
mm	kW	m/min	mm	0°	450	650x450	450	kg
6700 41 1 2	0.2	15.150	660	+45°	400	400×450	400	2000
6700×41×1.3	9.2	15÷150	660	+60°	250	250x450	250	2800

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 mazagine



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

	ADAP	TERS		l	KK IDI	ER RO	-	KK MOTORIZED ROLLER CONVEYORS							
										со	NTRO	LA	со	NTRO	LB
	LOADING	UNLOADING	KK200	KK330	KK330 HD	KK 460	KK 530	KK 730	KK 930	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

KKI	DLER ROLLER	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			•	•					•			•	•	•					•	
KK 460 KK330HD KK 330			•																•	
KK 460			•	•					•				•	•					•	
KK 530	M	•			•	•	•	•		•	•				•	•	•	•		•
KK 730	M	•			•	•	•	•		•	•				•	•	•	•		•
KK 930	M	•			•	•	•	•		•	•				•	•	•	•		•

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)
	MOTORIZED R	KOLI	_ER	COI	NVE	YOF	रऽ (I	MAN	IUAl	_ FR	EE S	TAN	ID C	TNO	ROL	_ Wi	ľΗJ	OYS	STIC	K)
KK 530	T PART	•			•	•	•	•		•	•									
KK 730	FIN	•			•	•	•	•		•	•									
KK 930	FIN	•			•	•	•	•		•	•									
KKB	MOTORIZED R	OLL	.ER	COI	IVE	YOF	RS (I	FIXE	D M	ANL	JAL I	FREI	E ST	AND	СО	NTR	OL)	,		
KK 530	Fin	•			•	•	•	•	•	•	•					•	•	•		
KK 730	THE REAL PROPERTY.	•			•	•	•	•	•	•	•					•	•	•		
KK 930	FIN	•			•	•	•	•	•	•	•					•	•	•		

KKC MOTORIZE	ION UERTICAL ROLLER	SET OF VERTICAL ROLLERS	TWO SETS OF VERTICAL ROLLERSI	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 530				•	•	•	•	•	•	•					•	•	•		
KK 730				•	•	•	•	•	•	•					•	•	•		
KK 930				•	•	•	•	•	•	•					•	•	•		

TECHNICAL SPECIFICATIONS

	Rest piece no longer feeded - standard -(mm)	Rest piece no longer feeded 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	-	-	-	-	-	-
	470	470	4.0	70,470		4000
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&}quot; 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







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.

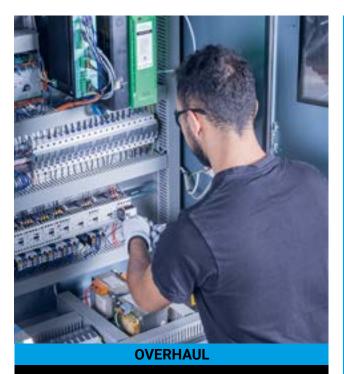


TRAINING PLANS

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 competion by taking full advantage of the potential of your sawing machine!

OUR EXPERIENCE AND SUPPORT TO GRANT YOUR EFFICIENCY, ALWAYS!



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.

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.



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



MEP SPA SOCIO UNICO

Via Enzo Magnani, 1 - 61045 PERGOLA (PU) ITALY Tel. (+39) 0721 73721 - Fax (+39) 0721 734533 R. Imprese, C.F. e P. IVA n°13051480153 Cod. EORI IT13051480153 REA PS 164639 Capitale Sociale € 10.372.791,00 int. vers. Pec: mepspa@mepsaws.legalmail.it