



2024 INDUSTRY

REVOLUTIONIZING THE FUTURE OF METAL CUTTING THROUGH INNOVATIVE SUSTAINABLE TECHNOLOGIES

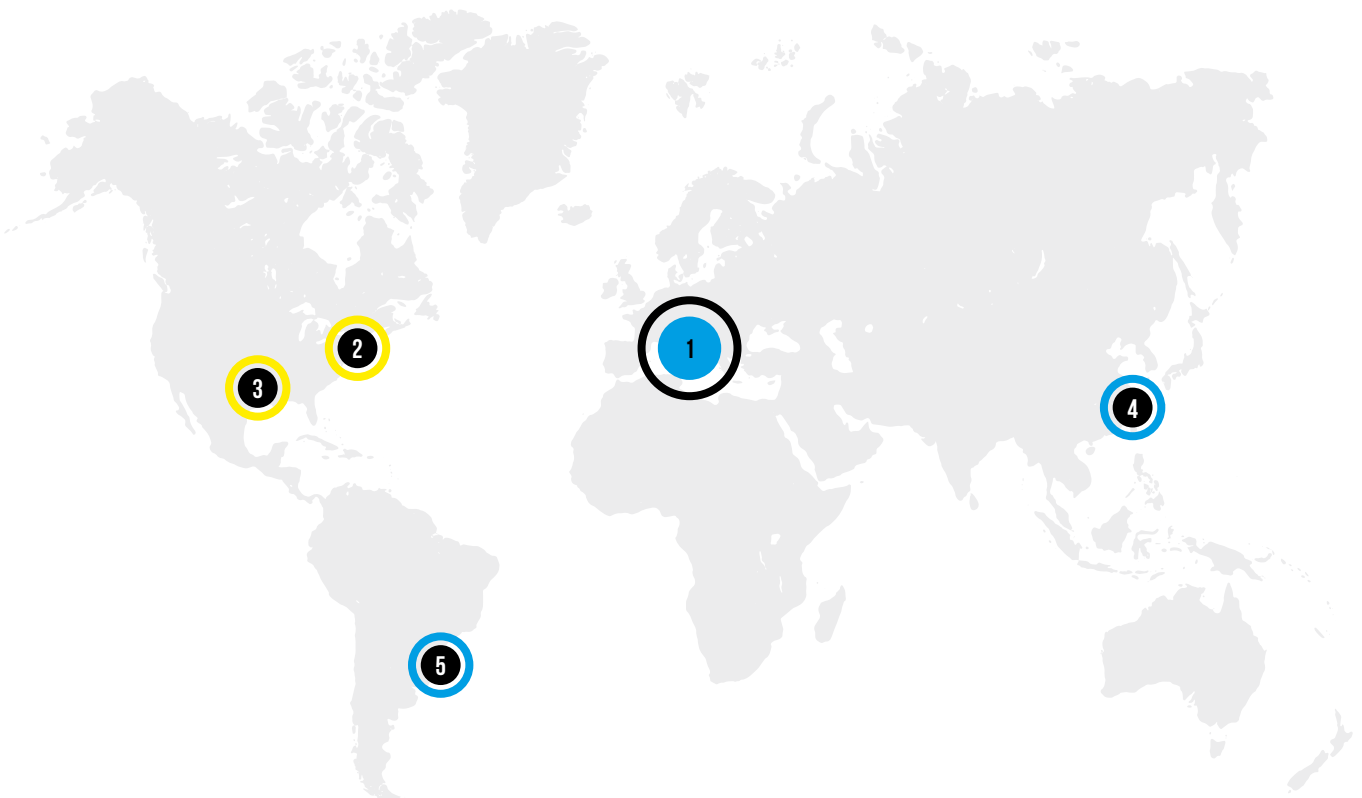
"... Our products and services for metal cutting are transforming the future of digital factory by offering a wide range of solutions to improve the efficiency and automation of production processes: this holistic approach has actually consolidated Industry 4.0 standards and is helping to define the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



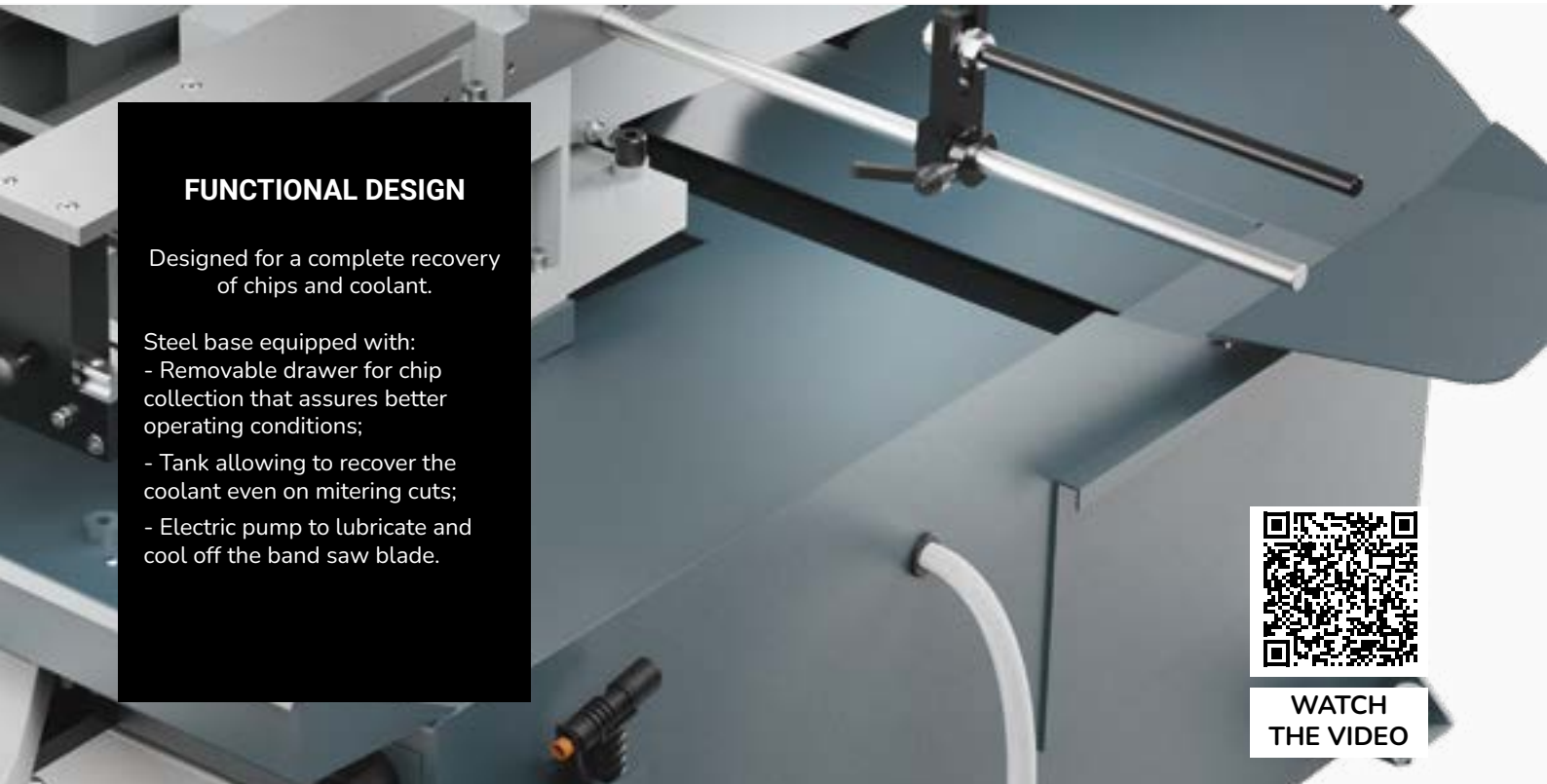
HYDRAULIC POSITIVE HEAD DOWN FEED RATE AND VICE CONTROL

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

OPTIONS FROM PAGE 34 - N° 02 - 03 - 04 - 10 - 11 - 32 - 34 - 70 - 75 - 101 - 118 - 119 - 120

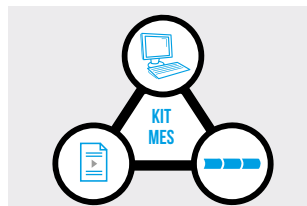
								
				-60°	250	240x320	250	
				-45°	320	380x320	320	
mm	kW	m/min	mm	0°	330	510x320	320	kg
4640x34x1.1	4	15÷100	515	+45°	320	350x320	320	1190
				+60°	230	220x310	230	

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



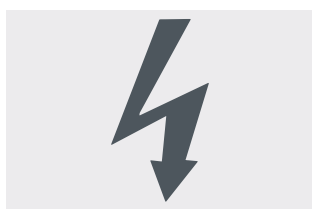
OPTION N° 10

Supplementary foot pedal
control with emergency stop



OPTION N° 70

Roller conveyor
KK530/1500 mm



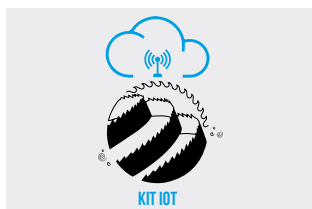
OPTION N° 11

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



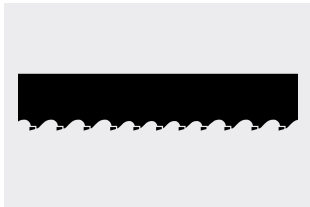
OPTION N° 75

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



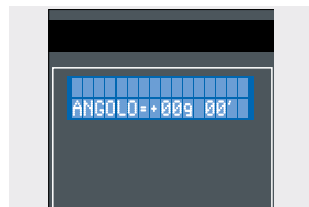
OPTION N° 99

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)



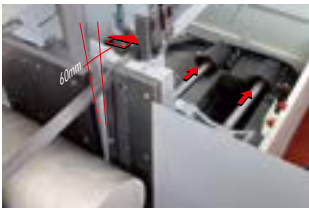
OPTION N° 108

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



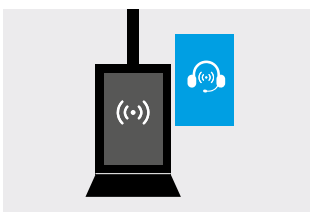
OPTION N° 125

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



OPTION N° 132

Stainless steel belt chip conveyor



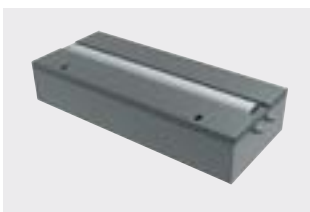
OPTION N° 126

Wi-Fi remote service



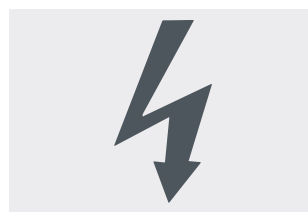
OPTION N° 133

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




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)
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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	-	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



museo.bronzidorati@libero.it

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



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