



**karmetal**  
*SAWlutions*







## **KDG 460x800 DM**

# **SEMI-AUTO MITER BAND SAW MACHINE**

\*Photo may feature machine with optional accessories.

# CUTTING CAPACITY

	0°	30°	45°	60°	-30°	-45°
	460 mm	460 mm	460 mm	300 mm	460 mm	460 mm
	460 mm	460 mm	460 mm	300 mm	460 mm	460 mm
	460x800 mm	460x650 mm	460x500 mm	460x300 mm	460x650 mm	460x500 mm

Main Motor	5,5 kW, ~ 1.500 rpm
Hydraulic Motor	1.5 kW
Hydraulic Tank Capacity	12 Liter
Coolant Motor	0,12 kW
Coolant Tank Capacity	40 Liter
Swarf Brush Motor	0,25 kW
Blade Speed	25-90 m/min
Blade Dimensions	6.000 x 41 x 1.3 mm
Machine Weight	2.000 Kg
Table Height	785 mm
Machine Dimensions	1.450 x 3.160 x 1.940 mm

# STANDARD ACCESSORIES



## DIGITAL CONTROL PANEL

Buttons directly to use for each functionality.

- Buttons at keyboard folio
- Emergency stop button
- Moveable Design



## DIGITAL SCREEN

It Shows all Alarms and Directives.



## FREQUENCY INVERTER

Easy variable, adjustable band speed visible at the screen.



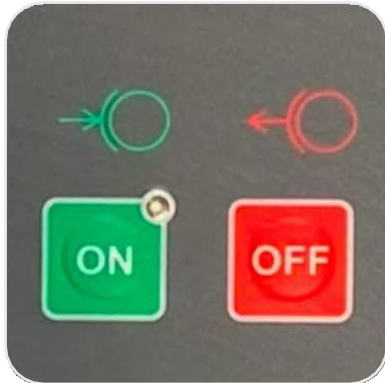
## SENSIBLE CUTTING FEED ADJUSTMENT

Allows the bow down speed to be adjusted.



## SENSIBLE CUTTING FEED PRESSURE ADJUSTMENT

Allows the feed pressure to be adjusted.



## MITER POSITION HOLDER BY HYDRAULIC BRAKE

Clamp and unclamp by using button Miter positioning manual, motorized as option.



## LIMITED MOVEABLE CONTROL PANEL BOX



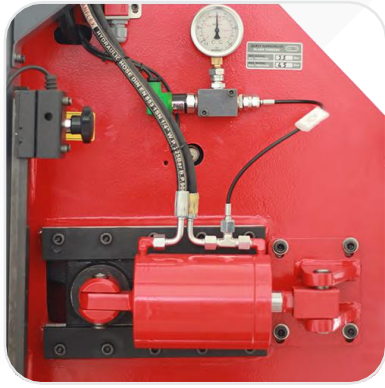
## HYDRAULIC TOP CLAMPING VISE

Holds the workpiece vertically with hydraulic power during cutting operation and provides bundle cutting. Simply to switch on/off by using the valve.



## SPECIAL DESIGNED VISE JAW FOR

Clamping Materials at Various Degree Position.



## HYDRAULIC BLADE TENSIONING

Automatic controlling of band tension.



## MOTORIZED SWARF CONVEYOR

Spiral conveyor system easy to clean and electrical time controlled.



## ELECTRICAL MOTORISED SWARF BRUSH

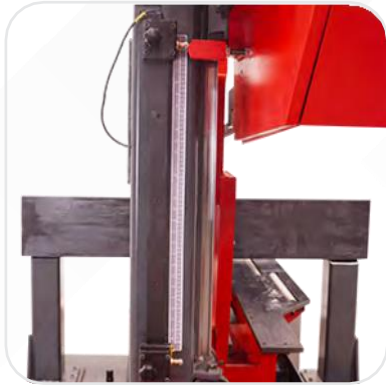


## BEVEL HELICAL GEARBOX



## DOWN MOTION WITH ROLLER TYPE LINEAR GUIDE

Roller type linear guides for easy movement of frame, long life design.



## ADJUSTABLE DOWN AND TOP LIMIT SWITCH

Material height adjustment to save time on frame feeding.



## GUIDE ARM MOTION WITH LINEAR GUIDE



## SIMPLE ADJUSTABLE GUIDE ARM



## BAND GUIDES WITH THREE BEARINGS

Large with carbide insert

Triple bearings on both side and Carbide Plate To cover all band width

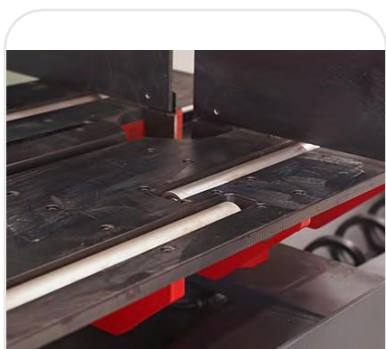


## SPECIAL CONSTRUCTION FOR TENSIONING WHEEL



## LASER LINE (OPTIONAL)

To make cutting line visible before cutting.



## SPECIAL TABLE CONSTRUCTION

Inserted rollers to make easy move of material.



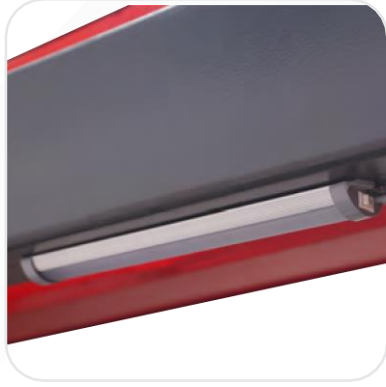
## MANOMETER



## DOOR OPENER BY GAS SPRING



## TRANSPORTATION SUPPORT BY LIFTING EYE



## WORKPLACE LIGHTNING BY LED



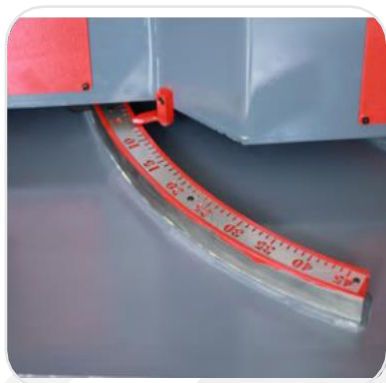
## HYDRAULIC OIL LEVEL INDICATOR



## COOLANT LEVEL INDICATOR



## ROTATING TABLE



## EASY TO READ THE MITER CUT DEGREE INDICATOR

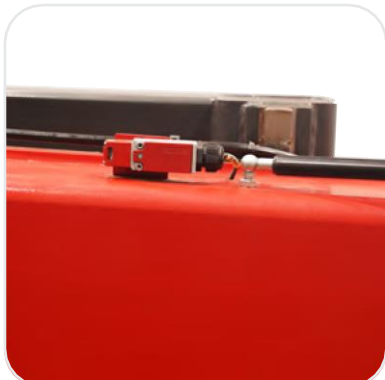
Digital at screen as option



CUSTOM-MADE JAW



PULLEY BEARING WITH BALL BEARINGS



COVER SWITCH



PROXIMITY SWITCH



TENSION SWITCH



## ELECTRIC CABINET SWITCH



## LEVELLING FOOT LEG



## 2 PCS 2 MT ROLLER TABLE



## AUTOMATIC STOP WHEN;

- The covers are open
- Blade tension is low or broken
- Blade is blocked
- Additional alarms by giving codes

## OPTIONAL ACCESSORIES



### MICRO MIST COOLANT SYSTEM

By choosing this option the button for selecting coolant makes automatically change from water to micro mist.



### DIGITAL MITER ANGLE INDICATOR

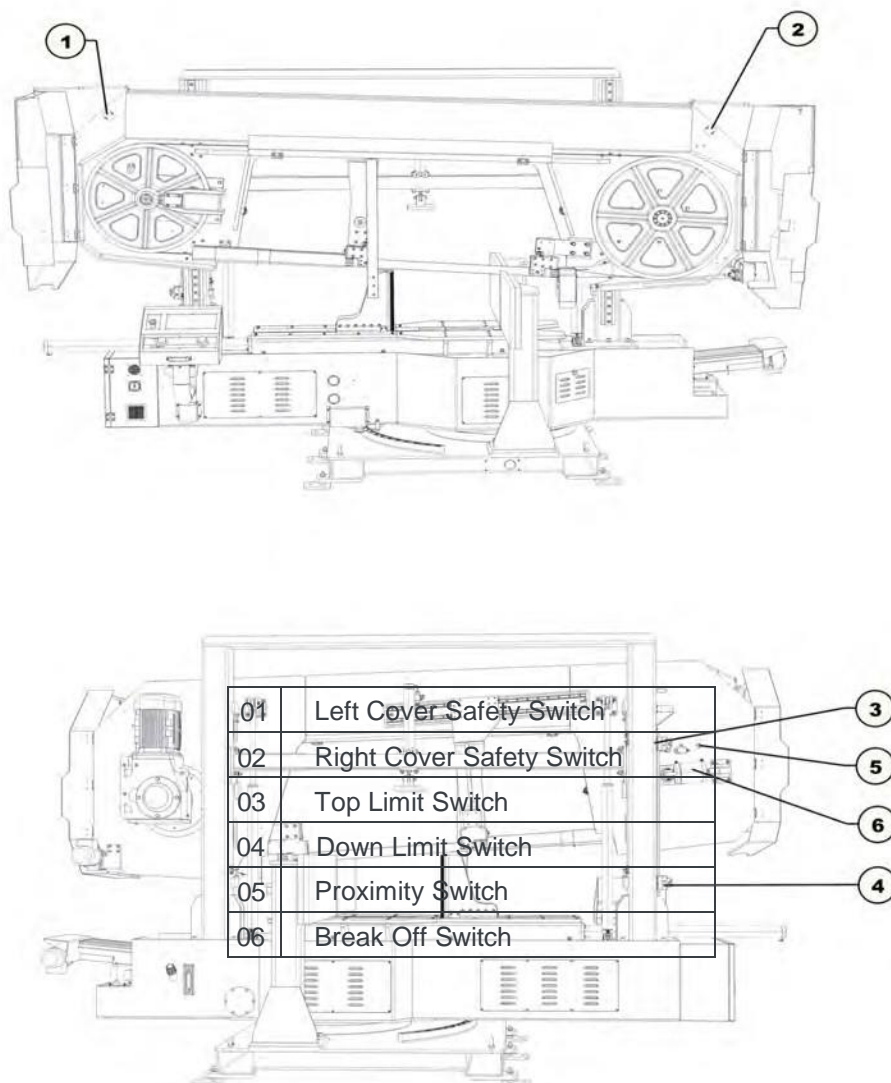
Display visibility for each degree recommended to use by motorized miter adjustment .



### MOTORIZED FEED TABLE

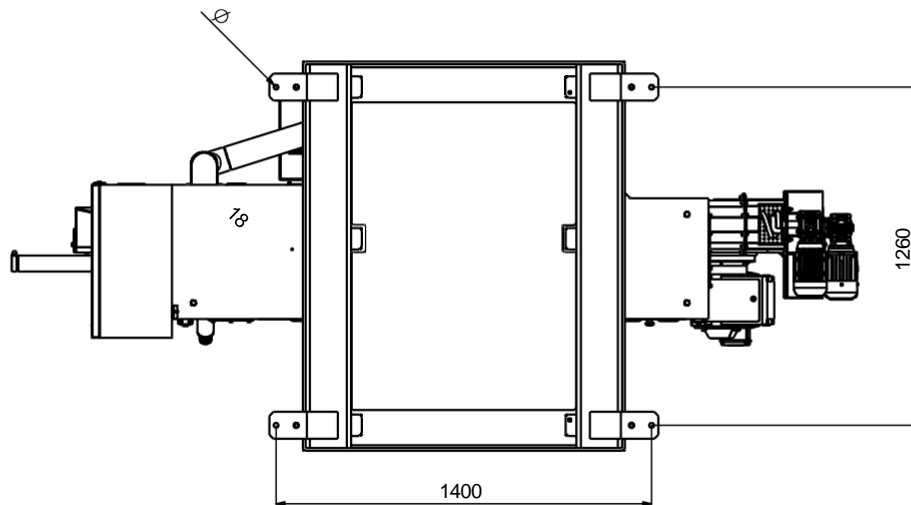
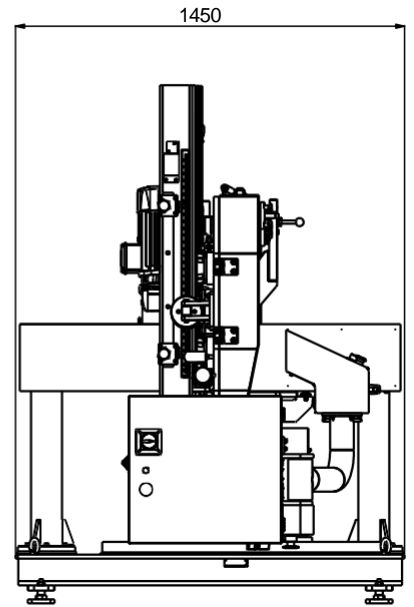
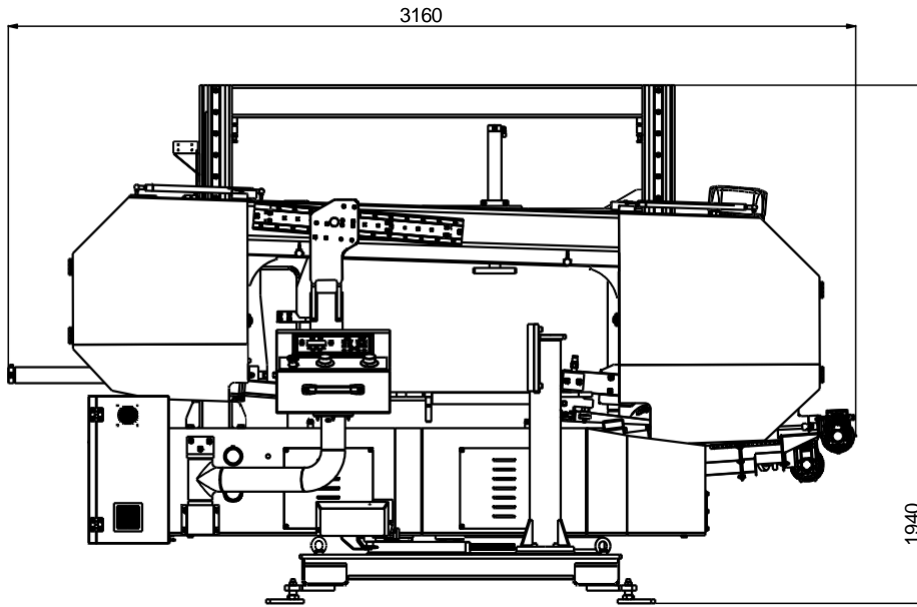
Depending lenght special inquiry needed

# SAFETY EQUIPMENTS



[www.karmetal.com.tr](http://www.karmetal.com.tr)

# DIMENSIONS



# TERMS

Delivery (After Receipt of written PO) :  
Type of Delivery : **Exworks**

## WARRANTY CONDITIONS

The machine is under the warranty of KARMETAL LTD. ŞTİ. For a period of 2 years for mechanical parts, 1 year for electric and electronic parts from the date of purchase. This warranty is subject to all of the terms and conditions listed below:

1. This warranty is valid only if the Warranty Registration Form is filled in and returned to the manufacturer or its authorized dealer within **two months after the** date of purchase.
2. The obligation of the manufacturer under this warranty shall be limited to repairing or replacing components which proves defective and which our examination shall disclose to our satisfaction to be defective.
3. Defects due to improper operation, misuse, neglect, alteration, irregular voltage conditions, inadequate wiring, improper installation **(all electrical and electronic components, all electrical motors etc.)** and due to accidents or any damage caused by transportation, flood, fire, natural disasters, theft are not included in this warranty and are strictly the responsibility of the purchaser.
4. Any part returned to KARMETAL or its authorized dealer under the terms of this warranty shall be on the basis of transportation charges prepaid by the customer and must be accompanied by a record of the machine model code and serial number.
5. This warranty does not apply to the following components; band saw blade, blade pressure pads or brackets and blade guide bearings **because of being consumables.**
6. Manufacturer and authorized dealer cannot be blamed within maximum repair period for the material or moral damage. Apart from that act the period as Warranty Conditions and there will not be done any retroactive requirement



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