



# Temelsan®

**DK 1000 XL**

**BLOCK METAL CUTTING BANDSAW MACHINE**



**Standard Features...** 

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## Standard Features...

- Hydraulic Table
- 2 x 600mm (24") Steel flanged, tapered bandwheels with rubber tires
- Upper wheel adjustment up to 100mm (4")
- Operator controls mounted on column
- One set of saw guide blocks with carbide backup for chosen bands One set of metal saw guide inserts for chosen bands
- T-Slots for Easy Clamping
- Motorized Band wheel brush
- Work light
- Hydraulic Bandsaw Tension Unit with handle control
- Chip blower (plant air required)
- Saw blade guards.
- Band door interlocks.
- Variable frequency band drive.
- Post Elevating By AC Motor
- One (1) complimentary Bi Metal saw blade.
- Operation and parts manuals always available online
- Stop Running upon Bandsaw Breake
- Emergency shut-off buttons
- Chip collection drawer

# Optional Features...



## **DKO-HBTU - Automatic Hydraulic Bandsaw Tension Unit**

This option is applicable only in case the DKO-HMT option is applied on the machine. With this option the operator does not need to use a hand wheel to make the blade under tension for cutting, while the machine is switched on the tension unit works automatically.

## **DKO-PLC - PLC Control Unit**

Basically machines work with contactors which are controlled by the buttons on the control panel. With this option machine moves will be under control of the PLC unit and also the control will be via 7" Sensitive Touch Screen HMI.

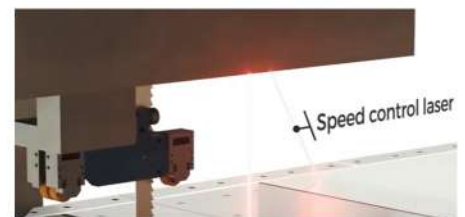


## **DKO - SMT - Servo Motion (Ballscrew) Table**

This option applicable only in case DKO - PLC option is applied on the machine. With this option sure Temelsan Vertical Bandsaw machines are more reliable and productive. This option has plural benefits. Torque control on Servo motor make blade life longer also surface will be perfect on workpiece after cutting.

## **DKO - PS - Proximity Sensor**

This option applicable only in case DKO - SMT option is applied on the machine. This option gives high operational time for cutting. With this option it does not matter where the operator is locating the workpiece, because until the proximity sensor is detected the material table will move at rapid speed until the workpiece. Then it will fall on cutting speed. Therefore operation time will be much faster.





### DKO-CL - Band Mist coolant system

While cutting the soft materials blades are getting heated and this makes blade life less also the cutting speed slower. With Mist Spray Coolant blades will stay always cold therefore the blade life will be longer.

### DKO-LWCS - Liquid Wet Cutting System

It is a solution applied to the machine for cuts that need to be made with coolant.

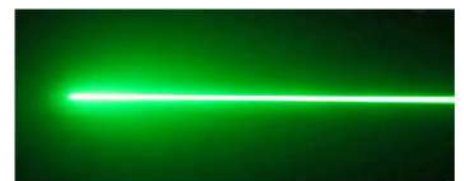


### DKO-PDSS-4 - Pilz Door Safety System

This option applicable only in case DKO-PLC option is applied on the machine. Temelsan Vertical bandsaw machines have interlock safety systems as standard per CE conformity. The Pilz Safety system is needed to reach EN ISO 13849-1/-2 control system safety standards. This option is applicable for the machines which has up to four doors

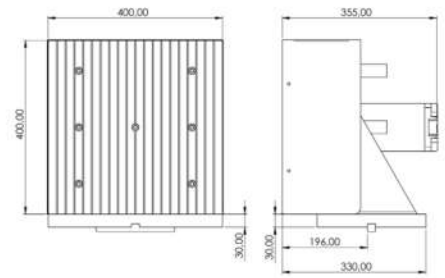
### DKO-LCL - Laser for Cutting Line

High quality green (the producer can change the color) line laser makes operators work easily to replace the workpiece on the table, their operator can see the cutting line clearly.



### **DKO-CV - Workpiece Hydraulic Clamping Vice Set**

This option is applicable only for block plate cutting machines. In one set of clamping vices there are two clamping units that the operator will be able to fix on the table true the T-Slots. Operator can control the clamping pressure. Also the operator is able to control the vices from the control panel on the column of the machine.



### **DKO-DMPA - Different Motor Power Application**

Temelsan DK 1000 XL type Band Saw Benches are manufactured to operate with a 5,5 kW motor as standard. In line with the demands of our customers, different motors up to 7,5 kW can be used within the design limits. Do not forget to tell us the amount of power you want in your requests regarding this option.

### **G-DVA - Different Voltage Application**

Temelsan Bandsaw machines are produced to work with 380V AC as an standard. Different working conditions about the power source are acceptable with extra cost as well.



### Specifications of DK 1000 XL

Bandsaw Tension Unit	Hydraulic
Table Stroke	1000mm ( 40" ) (Hydraulic)
Band Driving Type	Frequance   Inverter
Max. Cutting Height	1000 mm ( 40" )
Throat Size	600 mm ( 24" )
Table dimensions	1400mm x 1000mm ( 55" x 40" )
Table Tilt Left	N/A
Table Tilt Right	N/A
Table Tilt Front	N/A
Table Tilt Back	N/A
Table Height	1177 mm ( 46" )
Motor Power	5 kW ( 7 HP )
Bandsaw Speed	Can be arranged upon request
Maximum Load Capacity	5500 kg ( 12125 lbs )
Blade Length	6150 mm ( 242" )
Blade Width	41mm ( 1 1/2" ) / 54mm (2")
Floor Space	2000mm x 1780mm ( 79" x 70" )
Overall Height	2850 mm ( 112" )
Weight	3850 kg ( 8487 lbs )

#### APPLICABLE POWER SOURES

600V	3 PHASE	50 - 60 Hz
480V	3 PHASE	50 - 60 Hz
400V	3 PHASE	50 Hz
220V	3 PHASE	50 - 60 Hz

#### DIMENSIONS OF MACHINE

LENGTH	DEPTH	HEIGHT	WEIGHT
2000mm ( 79" )	1780mm ( 70" )	2850 mm ( 112" )	3850 kg ( 8487 lbs )



**Temelsan**®

Akçaburgaz Mahallesi Muhsin Yazıcıoğlu Caddesi No:55/1

Esenyurt / İstanbul / Türkiye

Tel: + 90 212 544 25 18 / Fax : +90 212 577 65 57