

# FULLY AUTOMATIC DOUBLE COLUMN BANDSAW MACHINES WITH SERVO/HYDRAULIC FEEDING SYSTEM

**BMSO 570 XS - BMSO 650 CH/CS - BMSO 560 CH/CS**  
**BMSO 460 CH/CS - BMSO 360 CH/CS NC**  
**BMSO 330 CS/CH NC - P-SAW 330 CS**

## ***XS Series***

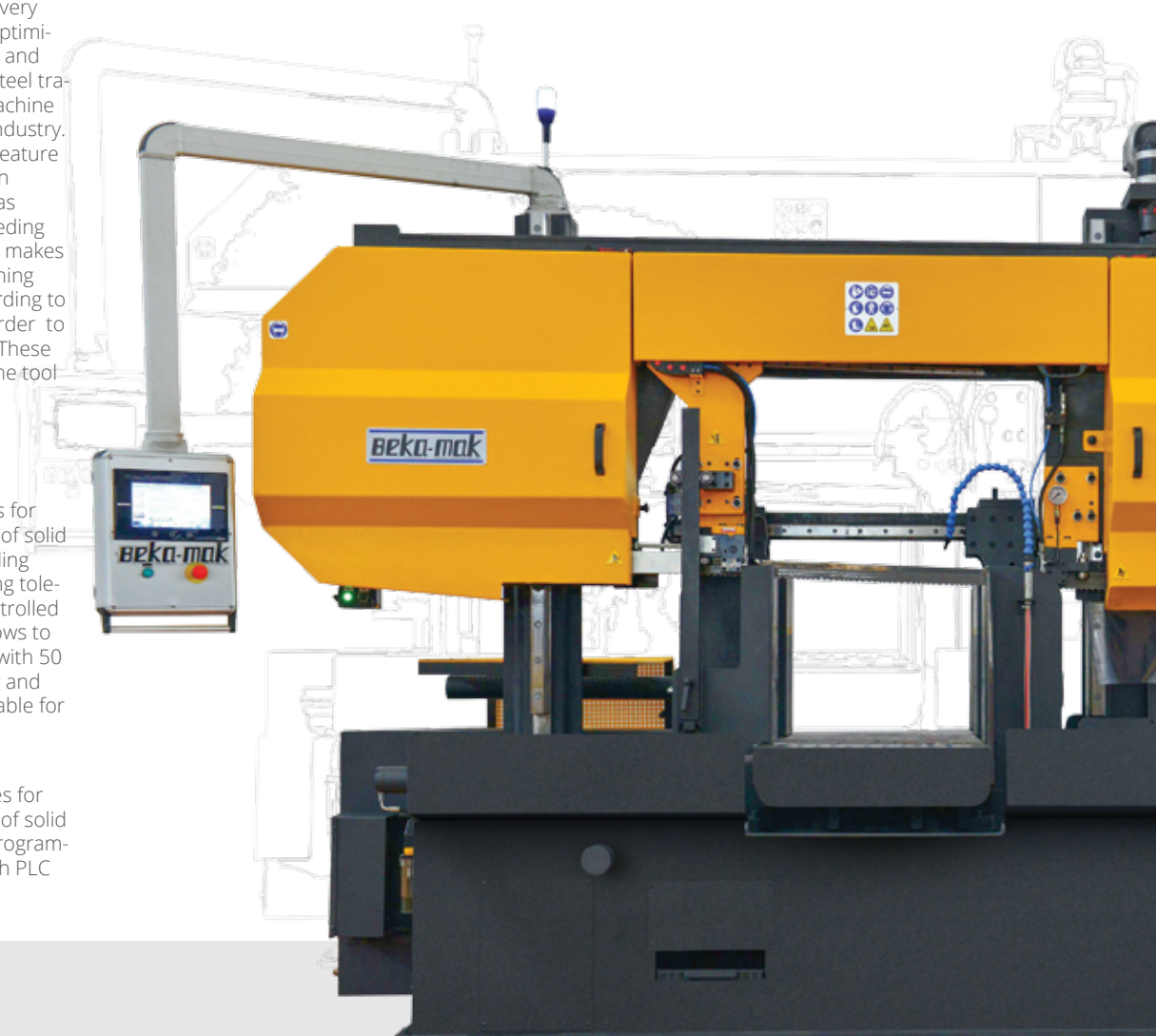
XS = We are proud to announce the XS series to the market in the steel industry where the cutting speed and blade life have become more and more important every day. The fully automatic machine is optimized for carbide and bimetallic blades and can be applied in areas such as the steel trade, steel production, forging mills, machine manufacturing and the automotive industry. We have added CNC SMART cutting feature with ball screw spindle which is driven by servo motor, while the machine has zero cutting tolerances with servo feeding system. XS with smart cutting system makes the most efficient cutting by determining the optimal cutting parameters according to the type and size of the material in order to match the type of blade being used. These optimal cutting parameters reduce the tool costs and leave the best surface.

## ***CS Series***

CS = CS series are the ideal machines for mass production and bundle cutting of solid material, tube and profile. Servo feeding system with ball screw reduces cutting tolerances to zero error margin. PLC controlled user friendly colour touch screen allows to save 100 different cutting programs with 50 cutting steps. Hydraulic top clamping and hexagonal vice options are also available for bundle cutting.

## ***CH Series***

CH = CH series are the ideal machines for mass production and bundle cutting of solid material, tube and profile. It allows programming of 10 different cutting steps with PLC control panel.



Type	Page
BMSO 570 XS	14
BMSO 650 CS/CH	16
BMSO 560 CS/CH	17
BMSO 460 CS/CH NC	18
BMSO 360 CS/CH NC	19
BMSO 330 CS/CH NC	20
P-SAW 330 CS	22

# BMSO 570 XS

## The High Efficient Bandsaw Machine

### Standards

- Smart cut and user friendly touch screen with Omron CNC cutting program.
- Ability to save up to 50 different cutting length steps in 100 different programs.
- Cutting parameters are CNC controlled for an optimal processing of workpiece.
- Manual cutting parameters input.
- Servo feeding with 700mm stroke.
- Guide arm travels on linear guide way and moves in coordination with the moveable vise jaw.
- Hydraulic actuated carbide blade guides.
- Idle Wheel motion detector and automatic deflection sensor.
- Vibration free cutting with 3 linear way.
- Motorized swarf brush.
- Planetary Gearbox.

### Optionals

- Hydraulic Top Clamping
- Microspray Coolant
- 15 KW Main Motor
- Hexagonal Vices



OPTIONALS

Hexagonal Vices



Hydraulic Top Clamping







Microspray Coolant



15 KW Main Motor



### Technical Datas

				
Cutting Capacity	0°	570	600 x 570	570
Main Motor	7,5 kW			
Hydraulic Motor	2,2 kW			
Coolant Motor	0,2 kW			
Chip Conveyor	0,37 kW			
Bow Servo Motor	1,5 kW			
Feeding Servo Motor	2 kW			
Chip Brush Motor	0,12 kW			
Cutting Speeds	20 - 100 m/min			
Cutting Speeds	(15 kW Motor) 20 - 150 m/min			
Feeding Stroke	700 mm			
Optional Feeding Stroke	1000 mm			
Multiple Stroke	9999 mm			
Blade Size	7400 x 54 x 1,6 mm			
Working Height	805 mm			
Dimensions	<b>Length</b> 3500 mm	<b>Width</b> 2000 mm	<b>Height</b> 2700 mm	<b>Weight</b> 5900 kg

- 1** *User friendly and flexible easy to use interface with next generation PLC and HMI infrastructure compatible with Industry 4.0. The ability to save up to 50 different programs, which cuts orders for up to 100 different lengths. Moreover when you select the type of material it calculates the cutting speed accordingly.*
- 2** *Automatic Hydraulic Blade Tension*
- 3** *Due to servo cutting and 3 way linear bow, it makes smart cutting with no vibration*
- 4** *Deflection Sensor*
- 5** *Servo Feeding System*

1



2



3



4



5



# BMSO 650 CS/CH NC - BMSO 560 CS/CH NC

**CH** Fully Automatic Bandsaw Machine with Hydraulic System

**CS** Fully Automatic Bandsaw Machine with Servo System

## Standards (BMSO 650 CS/CH NC)

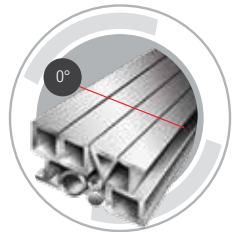
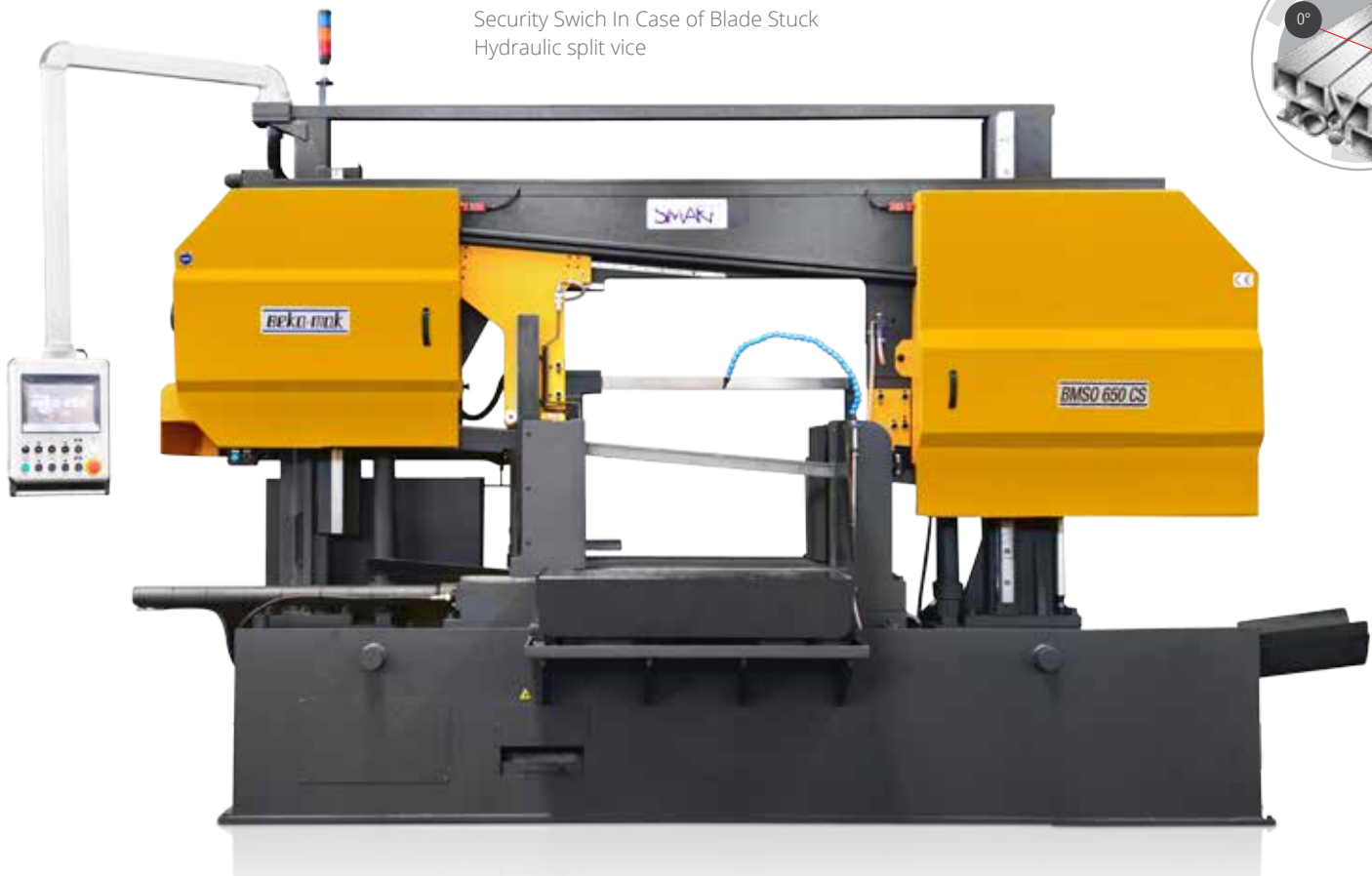
- Friendly Use PLC Control Panel
- Motorized Chip Brush
- Linear Way
- Planetary Gearbox
- Inverter
- Sensitive Pressure
- Idle Wheel Motion Detector For Blade Stalling
- Hydraulic Split Vice
- Chip Conveyor
- Hydraulic Blade Tension (650 CH/CS)

## Standards (BMSO 560 CS/CH NC)

- Hydraumechanical Blade Tension
- Inverter
- Synchronization Moveable Arm/Vice
- Linear Way
- Hydraulic Vice
- PLC Control Panel
- Hydraulic Feeding Vice
- Offered Hydraulic Rear Vice
- Planetary Gearbox
- Security Swich
- Sensitive Pressure
- SAP Coolant Pump
- Chip Brush
- Optical Quick Approaching
- Blade 41
- Security Swich In Case of Blade Stuck
- Hydraulic split vice

## Optionals

- Hydraulic Blade Tension
- Hexagonal Vices
- Microspray Coolant
- 3 Mt Roller Table
- Hydraulic Top Clamping
- 15 kW Main Motor (BMSO 650 CS/CH)
- Chip Conveyor (BMSO 560 CS/CH)



Motorized Chip Brush



Hydraulic Blade Tension



Hexagonal Vices



Microspray Coolant



3 Mt Roller Table



Hydraulic Top Clamping



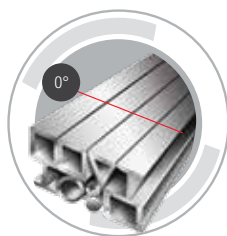
OPTIONALS

### Technical Datas

#### BMSO 650 CS/CH NC

#### BMSO 560 CS/CH NC

Cutting Capacity	0°	650	1050 x 600	600	0°	560	600 x 560	560
Main Motor	7,5 kW				4 kW			
Hydraulic Motor	4 kW				2,2 kW			
Coolant Motor	0,12 kW				0,12 kW			
Feeding Servo Motor (CS)	2 kW				2 kW			
Cutting Speeds	20 - 120 m/min				20 - 100 m/min			
Feeding Stroke	700 mm (CS) - 500 mm (CH)				700 mm (CS) - 500 mm (CH)			
Multiple Stroke	9999 mm (CS) - 6000 mm (CH)				9999 mm (CS) - 6000 mm (CH)			
Blade Size	8400 x 54 x 1,6 mm				6000 x 41 x 1,3			
Working Height	825 mm				810 mm			
Dimensions	<b>Length</b> 4250 mm		<b>Height</b> 2600 mm		<b>Length</b> 3250 mm		<b>Height</b> 2350 mm	
	<b>Width</b> 1750 mm		<b>Weight</b> 6580 kg		<b>Width</b> 2200 mm		<b>Weight</b> 4850 kg	



Chip Conveyor



Hydraulic Blade Tension



Hexagonal Vices



Microspray Coolant



3 Mt Roller Table



Hydraulic Top Clamping



# BMSO 460 CS/CH NC - BMSO 360 CS/CH NC

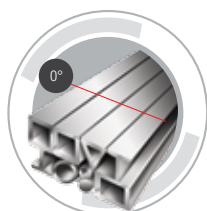
**CH** *Fully Automatic Bandsaw Machine with Hydraulic System*

**CS** *Fully Automatic Bandsaw Machine with Servo System*



*Motorized Chip Brush*





### Technical Datas

	BMSO 460 CS/CH NC				BMSO 360 CS/CH NC			
Cutting Capacity	0°	460	550 x 460	460	0°	360	400 x 360	360
Main Motor	4 kW				3 kW			
Hydraulic Motor	2,2 kW				1,5 kW			
Coolant Motor	0,12 kW				0,12 kW			
Feeding Servo Motor	1 kW				1 kW			
Cutting Speeds	20 - 100 m/min				20 - 100 m/min			
Feeding Stroke	700 mm (CS) - 500 mm (CH)				700 mm (CS) - 500 mm (CH)			
Multiple Stroke	9999 mm (CS) - 6000 mm (CH)				9999 mm (CS) - 6000 mm (CH)			
Optional Feeding Stroke	1000 mm				1000 mm			
Blade Size	5200 x 41 x 1,3 mm				4800 x 34 x 1,1 mm			
Working Height	805 mm				800 mm			
Dimensions	<b>Lenght</b> 3000 mm <b>Width</b> 2100 mm		<b>Height</b> 2100 mm <b>Weight</b> 3250 kg		<b>Lenght</b> 2850 mm <b>Width</b> 2000 mm		<b>Height</b> 1890 mm <b>Weight</b> 2580 kg	

### Standards

Friendly Use PLC Control Panel  
Hydraumechanical Blade Tension  
Chip Brush  
Linear Way  
Height Adjustment Switch  
Planetary Gearbox  
Inverter  
Sensitive Pressure  
Hydraulic Split Vice

Chip Conveyor  
Synchronization Moveable Arm/Vice  
Security Switch  
Sensitive Pressure  
SAP Coolant Pump  
Blade 41  
Security Switch In Case of Blade Stuck  
Idle Wheel Motion Detector For Blade Stalling

### Optionals

Hydraulic Blade Tension  
Hexagonal Vices  
Microspray Coolant  
3 Mt Roller Table  
Hydraulic Top Clamping  
2° Inclined Bow  
Motorized Chip Brush



Hydraulic Blade Tension



Hexagonal Vices



Microspray Coolant



3 Mt Roller Table



Hydraulic Top Clamping



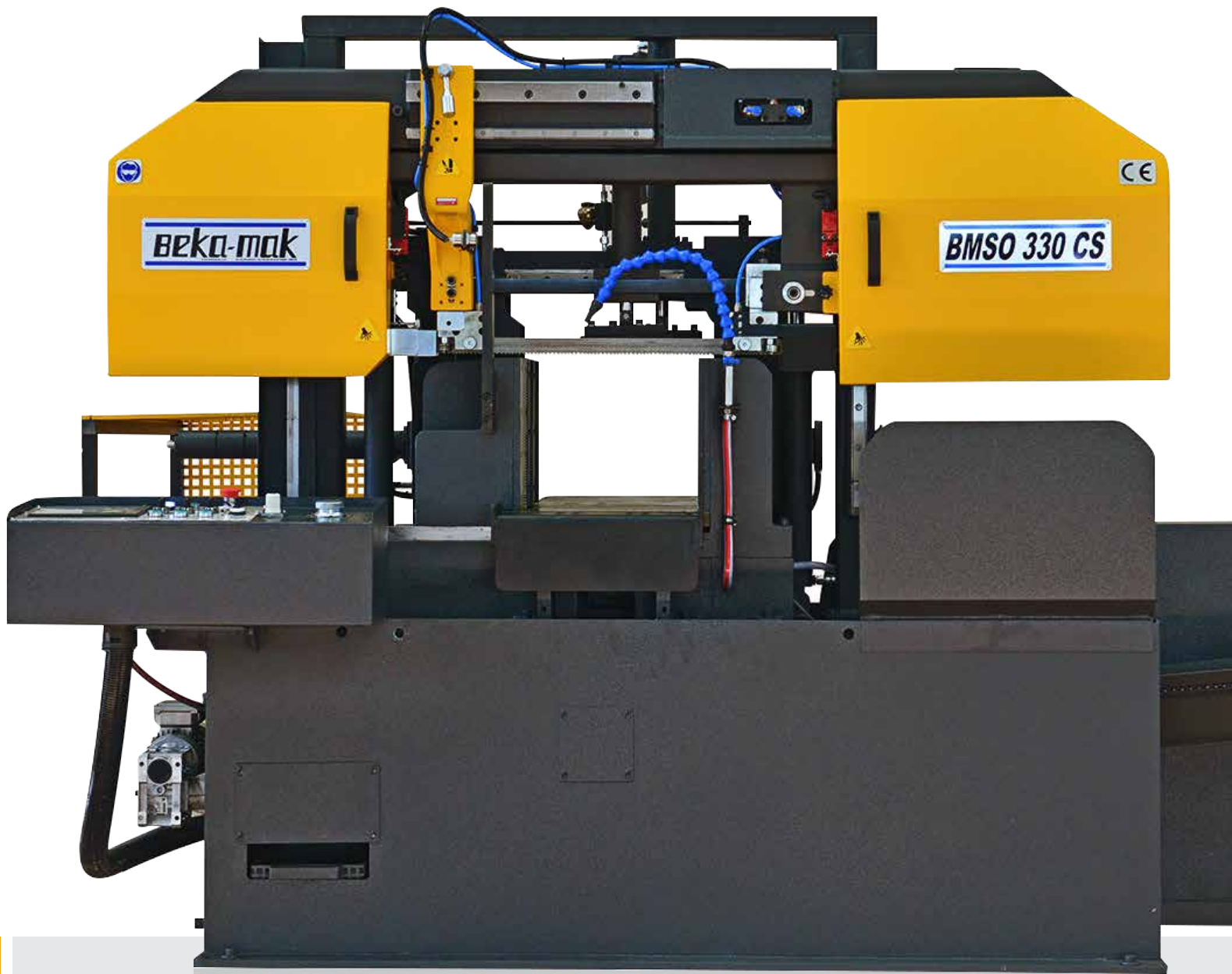
2° Inclined Bow



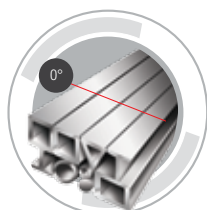
# BMSO 330 CS/CH NC

**CH** *Fully Automatic Bandsaw Machine with Hydraulic System*

**CS** *Fully Automatic Bandsaw Machine with Servo System*







### Technical Datas

Cutting Capacity	0°	330	360 x 330	330
Main Motor	3 kW			
Hydraulic Motor	1,5 kW			
Coolant Motor	0,12 kW			
Feeding Servo Motor	1 kW			
Cutting Speeds	20 - 100 m/min			
Multiple Stroke	9999 mm			
Blade Size	4380 x 34 x 1,1 mm			
Working Height	850			
Dimensions	<b>Lenght</b> 2100 mm <b>Width</b> 2300 mm <b>Height</b> 1560 mm <b>Weight</b> 2120 kg			

### Standards

Friendly Use PLC Control Panel  
 Hydraumechanical Blade Tension  
 Chip Brush  
 Linear Way  
 Height Adjustment Swich  
 Planetary Gearbox  
 Inverter  
 Sensitive Pressure  
 Idle Wheel Motion Detector For Blade Stalling  
 Hydraulic Split Vice  
 Chip Conveyor

### Optionals

Hydraulic Blade Tension  
 Hexagonal Vices  
 Microspray Coolant  
 3 Mt Roller Table  
 Hydraulic Top Clamping  
 4 kW Motor



*Motorized Chip Brush*



*Hydraulic Blade Tension*



*Hexagonal Vices*



*Microspray Coolant*



*3 Mt Roller Table*



*Hydraulic Top Clamping*



# P-SAW 330 CS

*Fully Automatic Bandsaw Machine with Servo System*

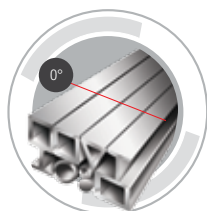
## **Standards**

Inverter  
Sensitive Pressure  
Hydraulic Blade Tension  
Optical Height Adjustment  
Servo Material Feeding Vice  
Chip Conveyor


## **Optionals**

Hexagonal Vices  
Microspray Coolant  
3 Mt Roller Table  
Hydraulic Top Clamping





### Technical Datas

				
Cutting Capacity	0°	330	360 x 330	330
Main Motor	3 kW			
Hydraulic Motor	1,5 kW			
Coolant Motor	0,12 kW			
Chip Conveyor Motor	0,25 kW			
Cutting Speeds	20 - 100 m/min			
Stroke	700 mm			
Blade Size	4380 x 34 x 1,1 mm			
Working Height	850			
Dimensions	<b>Lenght</b> 2625 mm <b>Width</b> 1900 mm <b>Height</b> 1900 mm <b>Weight</b> 2150 kg			



*Hydraulic Top Clamping*



*3 Mt Roller Table*



*Microspray Coolant*



*Hexagonal Vices*



