

# MEBOR WOODWORKING MACHINERY

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SINCE  
**1982**  
**MEBOR®**  
WOODWORKING  
MACHINERY

## BAND SAWS



## CIRCULAR SAWS



## SAWING LINES



## BLADE MAINTENANCE



# WELCOME TO THE MEBOR WAY OF WOODWORKING!



**Designing**



**Milling**



**Hi-tech equipment**



**Welding**



**Construction of  
machines etc.**



**Final quality  
inspection**

We at Mebor provide **complete solutions for your primary sawing needs**. Customers all over the world appreciate the **heavy duty construction and high performance** of Mebor machines.

The Mebor range includes machinery for small, medium and bigger scale sawmills – from a small band saw to complete sawing lines.

## **The Mebor story of success.**

The Mesec family from Slovenia was sawing wood for decades. In 1982 the company's founder Boris Mesec designed and built the first Mebor band saw. More and more customers were convinced by the performance of Mebor band saws and our production has kept growing ever since. The quality of our company has been recognised by many awards, such as the Slovenian Small Businessman of the year in 2011. We are one of the **world's leading manufacturers** of machinery for primary sawing of wood.

## **The Mebor Know-How.**

We used to run **our own sawmill**, using our own Mebor machines. This gave us important experience and the most important perspective – **we understand the needs and problems of sawmills**. Our team consists of experts from all walks of machine designing, mechanical and electrical engineering, hydraulics, safety and electronic automation. With more than 30 years of our close work with sawmills worldwide, we are able to advise and **help you improve your production**.

## **The leader in technology!**

We are proud that our band saws and machines are the result of our own innovations and development. We were the first to make a fully automatic horizontal band saw. Some of our innovations have had a direct influence on the industry. Constant research and development of horizontal band saws keeps us ahead and sets us apart from our competitors.

## **The Mebor Service.**

The Mebor service network includes more than 20 qualified service teams

worldwide. Our teams are therefore able to respond quickly. We guarantee the warranty and availability of service and spare parts for all Mebor machines.

## **The Mebor Quality Guarantee.**

As we are a family company, **quality is our personal goal**. The core of Mebor quality is our experienced production team. We use the latest manufacturing technologies and tested components from renowned global manufacturers. Inspections of quality and performance guarantee the quality of every Mebor machine.



## **The Mebor Safety.**

Mebor machines comply with **all the safety standards**. In addition, the Mebor team has been adding some additional safety functions for the safety of workers and to prevent mechanical damages.



**The Mebor Training.**  
After every installation, our qualified technicians also provide training **for best operation and maintenance** of machines.

## **From Slovenia to the world!**

We are located in Slovenia, in Central Europe. Slovenia is Europe's third country with the highest percentage of forest. From our factory in Slovenia, we have so far supplied machines to customers in more than 45 countries worldwide.

## **Custom design on demand.**

We understand special needs of customers and thus also make custom designed machinery or special adjustments.

## **Machines adapted to conditions.**

In case a Mebor machine will be installed in a tropical area, we include tropicalised motors; for cold areas heating of the hydraulic oil etc.



**MEBOR SYSTEM** Mebor System® is our own system of horizontal band saws, which sets us apart from our competitors. With a Mebor band saw you will **increase your productivity and yield**, as well as decrease labour costs.

Wood is unpredictable and for this reason Mebor band saws have a **strong and robust construction**. It guarantees **reliability of functioning and minimises maintenance costs**.

#### Band saws adapted for your needs – for small and big sawmills.

Every Mebor band saw is **custom made**; therefore we supply each customer an **optimal band saw** for his needs. We will advise which model is most suitable for your needs and requirements. We will also adjust the configuration of the band saw; for example the distances between clamps according to the lengths of logs, equipment etc.

#### Automatic board removing (Mebor System®)

We were the first to introduce the board removing system, which **saves your time**. After the band saw cuts a board, the board pusher pushes it off the band saw bed during the return of the band saw head. **Simple and automatic, with no manual work**.

#### Automatic functioning - Mebor System®

Labour costs present a big share of costs in sawmills. Regardless of whether it is a small model, or a bigger and faster Mebor band saw model, all of them include **automatic guidance**. If necessary, this allows the

operator to also stack boards on his own, simultaneously during sawing! As it is a **one man operation**, the labour costs are minimised. The operator should focus on the **productivity, quality of wood and output**, not on the machine operation. This is done instead of you by the Mebor band saw and you can **increase the profit of your company**. The control is simple and user friendly. Our customers learn how to operate the machine in a few hours.

Mebor System® leads the operator during cutting. It provides important information, which helps him choose the optimal cutting for best output. Manual control is also available for less demanding users.

**Full log manoeuvring equipment** is available for fast and effortless work.

#### Quick and low cost installation

Mebor band saws are installed in one day and do not require any special foundations.

**Precision of cutting** is ensured by the solid construction and **wide blades**. All Mebor band saws are using wide blades (80-210 mm wide). The fact is that wide blades provide higher sawing speed, as well as better sawing precision. The high quality of your products will **increase the satisfaction of your customers**.

**More than 1900 users of Mebor band saws worldwide are the guarantee for quality and satisfaction!**

TECHNICAL DATA	SMALL	MEDIUM PRODUCTIVITY	HIGH PRODUCTIVITY			HIGHEST PRODUCTIVITY		LARGE LOG SAWING		
	HTZ 800 HTZ 800 Mobile	HTZ 1000 HTZ 1000 Mobile	HTZ 1100 PRO HTZ 1100 Mobile	HTZ 1200 Professional	HTZ 1200 SP	HTZ 1200 PLUS	HTZ 1300 PLUS	HTZ 1200 EXTREME 15	HTZ 1200 EXTREME 18	HTZ 1400 EXTREME 20
Productivity: (m3/8h*)	up to 25	up to 27	up to 38	up to 35	up to 35	up to 55	up to 65/80	up to 50	up to 50	up to 65/90
Max. log diameter:	900 mm	900 mm	1000 mm	1000 mm	1200 mm	1200 mm	1250 mm	1500 mm	1800 mm	2000 mm
Max. cutting width:	800 mm	850 mm	1000 mm	1000 mm	1170 mm	1200 mm	1200 mm	1500 mm	1700 mm	1870 mm
Max. log length:	custom made	custom made	custom made	custom made	custom made	custom made	custom made	custom made	custom made	custom made
Diameter of flywheels:	820 mm	1020 mm	1120 mm	1220 mm	1220 mm	1220 mm	1320 mm	1220 mm	1220 mm	1420 mm
Width of flywheels:	80 mm	105 mm	120 mm	120 mm	120 mm	140 mm	165 mm	140 mm	140 mm	190 mm
Blade size										
length	5300 mm	6200 mm	7100 mm	7350 mm	7750 mm	7750 mm	8600 mm	8300 mm	9350 mm	10500 mm
width	100** mm	120** mm	140** mm	140** mm	160** mm	160** mm	180** mm	160** mm	160** mm	206** mm
thick	0,9 / 1 mm	1,1 mm	1,1-1,2 mm	1,2-1,3 mm	1,2-1,3 mm	1,2-1,3 mm	1,38-1,47 mm	1,2-1,3 mm	1,2-1,3 mm	1,47 mm
Approximate weight:**	2900 - 3800 kg	3800 - 5000 kg	5500-7500 kg	5700-7500 kg	6500 - 8000 kg	11000- 13000kg	4000-16000 kg	15000-18000 kg	20000 - 24000 kg	26000-30000 kg
Width:	2330 mm	2600 mm	3110 mm	3145 mm	3400 mm	3415 mm	3940 mm	3630 mm	4080 mm	4550 mm
Total height (blade in highest position):	2300 mm	2600 mm	3050 mm	2950 mm	3200 mm	3300 mm	3450 mm	3300 mm	3730 mm	4300 mm
Total length:	Log length + 3,2 m	log length + 3,5 m	log length + 3,5 m	log length + 4m	log length + 4m	log length + 4m	log length + 4,5m	log length + 4 m	log length + 4,5 m	log length + 6 m
Main motor power:	11/15/18,5/22 kW	11/15/18,5/22/30 kW	18,5/22/30/37 kW	30/37/45 kW	30/37/45/55 kW	37/45/55 kW	55/75 kW	37/45/55 kW	37/45/55/75 kW	90/110 kW

\* depends on log sizes, sawn wood dimensions, machine's configuration etc. \*\* blades for two sided cutting are 20 mm wider \*\*\* depends on machine's configuration

# HTZ800

## SMALL LOG BAND SAWS



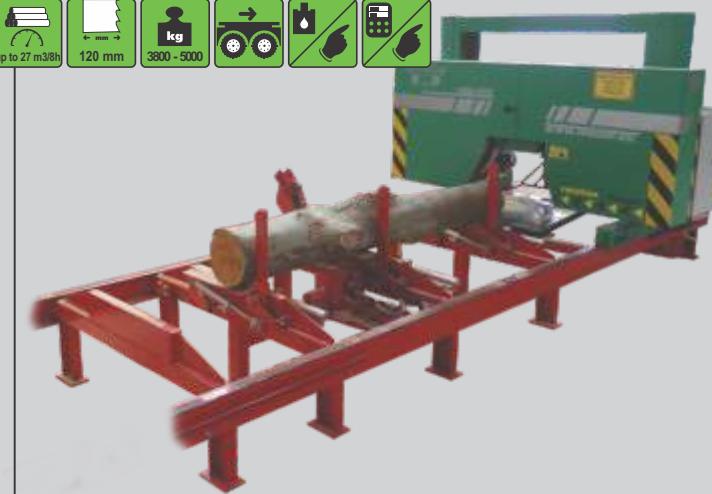
HTZ800 in Colombia

### Features of the big Mebor band saws in a small “package”!

The HTZ 800 is the smallest Mebor band saw. It is available either in a **simple configuration** with manual clamps, or in a **fully hydraulic configuration** with a log turning device etc. Customers can choose to use either the “narrow” type of blades (80 mm wide) or the more efficient “wide” type of blades (80-100 mm wide). A very affordable, simple version is also available. This compact machine is most often made in a **mobile version**.

# HTZ1000

## MEDIUM PRODUCTIVITY LOG BAND SAWS



HTZ1000 in Uruguay

### The professional band saw for small sawmills!

Mebor's affordable HTZ 1000 makes it possible for small sawmills to cut with **professional precision and speed**. The key features are naturally wide blades, full hydraulics for log manoeuvring and Mebor System® automatic control. All this is available at an affordable price. The simplest version comes with manual clamps and manual control.

**Pre-cutter** - cleans the log surface and increases the lifespan of blades.

**Board pusher** for automatic removing of boards, increases productivity.

**Platform with a roller** for easier board removing.

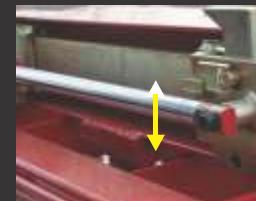
**Single automatic control** - simpler version of Mebor System® control.

**Belt conveyor** for automatic board removing.

**Hydraulic clamps** for secure clamping of logs, self-adjusting to any log size.

**Lifting clamp** function used to set cone shaped logs for best yield.

**Log turners** with a flexible chain adjusting to the shape of wood.



# HTZ1100 PRO

MEDIUM PRODUCTIVITY LOG BAND SAWS



HTZ1100 PRO in Poland

## More options for small sawmills!

Compared to the HTZ 1000, the HTZ 1100 offers more options, such as splitting of logs with diameters up to 900 mm. It also includes a faster return for higher productivity. This machine and bigger Mebor band saws can **come with a fully automatic double cut system**. This means it is removing boards automatically also when cutting both ways.

# HTZ1200

PROFESSIONAL / SUPER PROFI

HIGH PRODUCTIVITY LOG BAND SAWS



HTZ1200 Professional in Slovakia

## Bestseller!

The HTZ 1200 Professional is the most popular Mebor band saw. Worldwide it is **distinguished for its endurance and reliability**. Many of HTZ 1200 Professional machines are running in two or three shifts and are the core of many sawmills. Same as basically every Mebor band saw, the 1200 Professional also comes with the Mebor System® automatic control and full hydraulic equipment for log manoeuvring.

The HTZ 1200 Super Profi is a bigger and reinforced version of the HTZ 1200 P, able to cut logs up to 1,2 m in diameter.

**Squaring arms**  
for log turning  
operations and  
squaring.

**Log loading device**  
a simple and  
efficient solution for  
log loading.

**Longitudinal rollers**  
for positioning of  
logs and removing  
of the last board.

**Lifting belt  
conveyor**  
for smooth  
removing of boards  
from big logs.

**Automatic board  
guiding device**  
maintains direction  
of boards.

**Automatic board  
brush** cleans the  
surface of boards  
during sawing.

**Dust extraction  
with a container**  
simple and low  
energy solution.

**Double automatic  
control** - with tools  
for optimisation  
(Mebor System®).



# HTZ1200 PLUS

HIGHEST PRODUCTIVITY LOG BAND SAWS



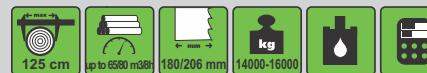
HTZ1200 PLUS in Slovenia

## Mebor's best and fastest horizontal band saws!

Plus is more, Mebor Plus Band Saws® bring more speed, **more productivity and better output**. They include our latest innovations and technical improvements. The Plus Band Saws® are universal for any log size and are used for small and big logs up to 1,2 m in diameter. The intelligent Plus automatic control includes additional optimisation tools for better output. Blade positioning is carried out using a brushless motor, which is the fastest and the most precise. High speed functioning and many **time saving features** additionally increase the productivity.

# HTZ1300 PLUS

HIGHEST PRODUCTIVITY LOG BAND SAWS



HTZ1300 PLUS in Germany

The Plus Band Saws® are **setting new levels of productivity in horizontal sawing!** This is proven by the results of our customers in practice.

### The HTZ 1200 SP Plus

High productivity at excellent price and performance ratio! The HTZ 1200 SP Plus is one of our most popular machines.

### The HTZ 1300 SP Plus

The fastest and the most modern Mebor band saw! The 1300 SP Plus includes the newest control system with 10" screen and **additional time saving features**.

**Laser**  
indicates the position of the blade.

**Edger on the band saw** - for simultaneous edging during sawing.

**Left-right shift of the log turners** - for even more efficient log turning.

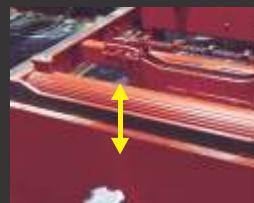
**Plus Automatic control** - high performance control (Mebor System®).

**Plus multi-functional hydraulic clamps** with inbuilt longitudinal rollers.

**Plus lifting rollers** - fully adjustable for best position of any log.

**Inclined log deck** (for straight logs) - quick and effortless log loading

**Fully motorised log deck** - any log shape is loaded easily and quickly.



# HTZ1200 EXTREME 15

LARGE LOG SAWING BAND SAWS



HTZ1200 EXTREME 15 in Austria

## The definition of Heavy Duty!

Extremely hard wood, of large diameters and with extreme weight demands an especially powerful machine. Mebor Extreme Band Saws® are developed especially for this purpose. The most significant is their extremely strong and robust construction, which ensures **reliability when sawing even the largest logs**. With the Extreme Band Saws® there are no concerns for breaks of machinery. They can also include the **Mebor System® automatic control**, which increases the productivity and decreases labour costs.

The Extreme band saws are installed in 1-2 days and do not require any special concrete foundations.

**MEBOR EXTREME  
® BANDSAWS**

# HTZ1200 EXTREME 18 HTZ1400 EXTREME 20

LARGE LOG SAWING BAND SAWS



HTZ1400 EXTREME 19 in Surinam

The weight of Mebor Extreme Band Saws® speaks for itself!

## HTZ 1200 SP Extreme 15

The Extreme 15 is used for professional sawing of soft and hardwood logs up to 1,5 m in diameter.

## HTZ 1200 SP Extreme 18 / HTZ 1400 SP Extreme 19

The Extreme 19 is the strongest and most modern Mebor band saw for **sawing of the largest, heaviest and hardest logs** (up to 1,9 m in diameter)

**Extreme lifting belt conveyor** – reliable removing of heavy boards.

**Extreme board pusher** – strong built for heavy boards and squares.

**Extreme hydraulic clamps** – ensure stability of any big log.

**Extreme squaring arms** – for precise positioning of logs, cants and squares.

**Extreme log turner**  
heavy duty and powerful for extreme log sizes.

**Extreme longitudinal rollers** - reinforced for the biggest logs and beams.

**Extreme automatic control** – lets the operator focus on the yield and quality.

**Extreme log deck** handles the heaviest logs up to 1,9 m in diameter.



# MOBILE BAND SAWS

HTZ 800 Mobile



HTZ1100/1100 Mobile in Austria

## HTZ 800 Mobile

Simple to move, set up and use anywhere!

The HTZ 800 Mobile is a machine with **features of the bigger Mebor band saws**, yet it is small enough for **easy transport**. The key features are wide blades, simplicity of use and a solid construction.

## HTZ 1000/1100 Mobile

Moveable professional sawmills!

The HTZ 1000/1100 Mobile band saws are designed for everybody, who wants the **performance of a productive mobile machine**.



HTZ1000 S-Mobile in France

## S-Mobile band saws

Fast and easy transport on a truck!

The S-Mobile band saws are adapted for **transport on a truck**. Hydraulic legs are used to lift the entire machine, drive a truck underneath and load the machine. With this system the **transport speed is higher**. Bigger models, such as the HTZ 1200 Super Profi can also come in this version.

# CUSTOM MADE BAND SAWS

RESAWS FOR GLUED LAMINATED TIMBER



HTZ1200 RS15 in France



HTZ1200 RS10 in Germany

## Re-saws for glued laminated timber

This horizontal resaw can cut blocks with **sections up to 1.5x1.5 m**. By re-sawing bigger blocks, the gluing time is several times shorter.

The HTZ 1200 RS 10 was made for re-sawing of blocks up to 1x1 m in section. It is adapted to cut glued beams of **exceptional lengths**, up to 20 m or more.

## RESAW FOR LAMELLAS



HTZ1000 RS in Austria

## Re-saw for lamellas

Load timber, set the sizes and let the HTZ 1000 RS cut it in lamellas - automatically. **No operator is needed**. The brushless motor for blade positioning ensures maximum precision and quality of the customer's products.

## DOUBLE RESAW



HTZ1200 RS double in Austria

## Double re-saw

As a specialist in horizontal sawing, Mebor designed a custom made double re-saw. It is running in a high productivity sawing line. The two band saw heads are placed on top of each other on the same frame. The blades adjust up/down as per the preset sizes.

# CIRCULAR SAWS FOR SMALL LOGS

DOUBLE ARBOR



**SDH-D320** in Ukraine

**Strong construction and high productivity!**

Mebor SDH-D 320 circular saws are designed for productive sawing of small logs. The SDH 320 is the most affordable machine, which normally comes with a simple infeed. All SDH machines can come with an automatic infeed with log turning. The log turning makes sawing of non-straight logs more efficient. The two bigger machines, SDH D and SDH E, allow adjustments of the size of cants (central board), by moving the left and the right circular saw together or apart. This can be controlled automatically with the electronic control. An optional automatic outfeed separates waste and boards from cants.

**SDH-D340** in Russia



SINGLE ARBOR



**SDH-E340** in Belarus

TECHNICAL DATA	SDH-D 320	SDH-D 340/400	SDH-E 340
Maximum log diameter:	340 mm	340/400 mm	340 mm
Power of main motors:	2x37 - 75+55 kW	4x37 - 2x90+2x75 kW	2 x 55/75 kW
Diameter of circular saws:	500 mm	500/600 mm	900 mm
Approximate weight:	5000-6000 kg	10000 - 14000 kg	9800 kg
Adjustable cant size:	with spacers	yes	yes
Infeed with log turning:	optional	yes	yes
Outfeed with sorting:	optional	yes	yes
Automatic control:	no	optional	optional

## EQUIPMENT AND OPTIONS

Simple  
infeed

Automatic  
infeed

Automatic  
outfeed



Automatic  
control

Log turning  
rollers

Log  
supplier



## SLAB RECOVERY MACHINES

### Slab recovery

Maximise your output!

Slabs are edged using two vertical circular saw blades. The separating plates separate the side cut offs and another circular saw cuts the top of slabs. All is done in one pass, on the same machine.

Thicker slabs can be fed in twice for maximum recovery.



**KR15** in England

### TECHNICAL DATA

SLAB RECOVERY MACHINES
Maximum thickness of slabs:
160 mm
Sawing width:
50 - 150 mm
Length of slabs:
800 - 1800 mm
Motor power - vertical blades:
2 x 4 kW
Motor power - horizontal blade:
15 kW
Approximate weight:
1500 kg

# MULTI BLADE EDGERS



**VR800 in France**



**VR900 in Slovenia**



**VR1250 in Croatia**

TECHNICAL DATA	VR 800	VR 900	VR 1300
Maximum width of boards:	900 mm	900 mm	1300 mm
Maximum sawing section:	800x110 mm	800x160 mm	1200x160 mm
Motor power options:	11/15/22/30 kW	30/37/55/75 kW	37/55/75/90/110 kW
Weight:	1800 kg	3500-3900 kg	5000-6500 kg
Number of feeding rollers:	3 bottom; 2 top	4 bottom; 2 top	4 bottom; 2 top
Number of moveable heads:	1/2/3	1/2/3	1/2/3/4

## EQUIPMENT AND OPTIONS

Lasers



Automatic control for one moveable blade

Automatic ouffeed



Automatic control for two or three blades



**The high volume solution for big sawmills!**

The line is designed to edge and re-saw all boards and cants coming from band saws. The optimisation system automatically scans the shape and size of a board/cant and chooses the optimal cutting sizes. In an instant, the system positions the moveable saws and feeds in the wood. The out-feed automatically separates waste and sends the finished boards to a sorting device.

# MULTI RIP SAWS

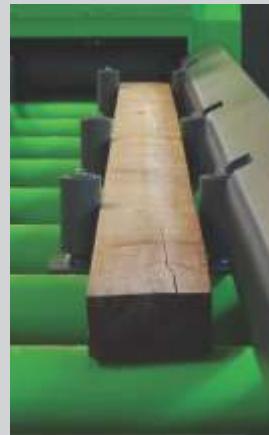
## SINGLE ARBOR



**VC700 E** in England

### Highly productive and precise!

Our production team is using a special technological procedure to produce the frames of Mebor multi rip saws (and edgers). The production process and solid construction ensure the **stability and precision**. As a result your customers will be satisfied with your product. We will study your production and advise which feeding speeds and motor powers are necessary. To increase productivity, an automatic centring device (in-feed) and out-feed can also be included. Many Mebor multi rip saws work **in two or three shifts**, up to seven days a week.



## DOUBLE ARBOR



**VC700 D** in Russia

TECHNICAL DATA	VC 700 E	VC 700 D16/D20/D25/D28	VC 900 D26
Maximum width of boards:	750 mm (option: 900 mm)	750 mm(option: 900 mm)	900 mm
Maximum sawing section:	700/900x160 mm	700x160/205/250 mm	900x260 mm
Motor power (bottom arbor):	37/55/75/90 kW	37/55/75/90/110 kW	110/132/160 kW
Motor power (top arbor):	/	37/55/75/90 kW	90/110/132 kW
Approximate weight:	3600 kg	5400 - 7000 kg	8500 kg
Number of feeding rollers:	4-6 bottom; 2 top	4-6 bottom; 2 top	6 bottom; 2 top

# CROSS CUT SAWS

## SINGLE BLADE



**CEL700/850** in Bulgaria

Mebor range of cross cuts includes machines for all cross cutting purposes. The CEL 700 (850) single cross cut saws includes roller conveyors for manual feeding, a pneumatic board holder and automated cut process.

## MULTI BLADE



**MCEL 75** in Belarus

The multi-blade CEL 60/X is normally used for cross cutting of pallet wood. A more flexible version with moveable saws is also available. Mebor automatic cross cut saws are available with different options: fixed sequence cutting, chalk or laser marking, full optimisation, sorting devices etc.

## AUTOMATIC - OPTIMISERS



**ACEL** in Australia

TECHNICAL DATA	CEL 700/850	MCEL 75	ACEL
Maximum cutting thickness	100/200 mm	75/150 mm	80-120 mm
Maximum cutting width	700/800 mm	optional up to 400 mm	150-320 mm
Power of each saw's motor	4 kW/7,5 kW	4 kW/5,5 kW	4 kW - 7,5 kW
Diameter of circular saws	450/600 mm	400/500 mm	350-500 mm

# SAWING LINES

## SAWING LINES FOR HARD WOODS

### Optimal design for your needs!

We at Mebor provide complete custom designed sawing lines. With our personal experience in sawmilling and technology, we can help you improve your production. When designing a sawing line, we have the following goals: productivity and automation, quality of sawn wood, minimised operation and labour costs, flexibility, reasonable price, efficient use of space, simple operation etc. All our sawing lines are quick to install, as they do not require special foundations. What are your requirements? Our Mebor experts will advise you and prepare a design for your production!

### Sawing line in Croatia



### Sawing line in Poland



## SAWING LINES FOR SOFT WOODS

### Sawing line in Chile



### Sawing line in France



### Sawing line in Australia



## CUSTOM DESIGNED CONVEYORS

### Log conveyors



### Conveyor with left and right ejection



### Conveyors with spiral rollers



### Extreme conveyor for boards



### Mebor Conveyors

Always adjusted to the needs of our customers.

When designing layouts and conveyors, we study the working process and consider the feeding speeds, use of space, characteristics of wood etc. Sorting and stacking devices are also available.

### Inclined storage ways



### Chain conveyors for boards



### Belt conveyor



**MEBOR**  
**Know How**

# SAWING LINES

Sawing line in Indonesia



Sawing line in Austria



Combined sawing line in Russia



**Project example: Company Lenalesservis in Russia  
Three shifts, seven days a week!**

In 2000, Lenalesservis had started using their first Mebor band saw. Upgrades of Mebor equipment followed. From a small company in 2000, the company has grown and employs more than 200 people today. **Mebor sawing lines are running 24 h/day, 7 days/week.**

Their latest Mebor sawing line includes a Mebor band saw (HTZ 1200 SP Plus) and an SDH-D 340 circular saw for small logs, two VC 700 D multi rip saws, VR 800 edger and all conveyors for logs, sawn wood and waste.

## SAWING LINES FOR SMALL LOGS

Sawing line in England



Sawing line in Slovenia



# BLADE MAINTENANCE

## BAND SAW BLADES

BA grinding



best seller

- Grinding angle: 18° - 30°
- Teeth pitch: 20 - 50 mm
- Saw blade width: 70 - 210 mm
- Grinding profile: PV (adjustable)
- Weight: 180 kg
- automatic grinding

MN-7 grinding



- Grinding angle: 18° - 30°
- Teeth pitch: 20 - 50 mm
- Saw blade width: 70 - 250 mm
- Grinding profile: PV, CP, NU, NV
- Weight: 185 kg
- automatic grinding

## BAND SAW BLADES

VP-210 tensioning



- Maximum saw blade width: 260 mm
- Weight: 320 kg
- adjustable roller with pressure indicator
- adjustable position of the tensioning roller
- anvil plate with an auxiliary roller
- 2 tensioning speeds

VA-260 welding



- Maximum saw blade width: 260 mm
- Weight: 250 kg
- welding with CO<sub>2</sub> and Ar mixture
- annealing bench
- automatic shift for welding
- guillotine for blades

## BAND SAW BLADES

Manual tool swaging and shaping



- Swaging bolt diameter: 10/11/12/13 mm
- Teeth pitch: unlimited
- Saw blade width: unlimited
- Total weight: 4,2 kg

MN-5 swaging and shaping



- Swaging bolt diameter: 10/11/12/13 mm
- Teeth pitch: up to 50 mm
- Saw blade width: 70 - 200 mm
- Total weight: 310 kg
- automatic swaging and shaping
- electronic control

## BAND SAW BLADES

MN-12 stellite tipping



- Hook angle: 16° - 28°
- Teeth pitch: 25 - 50 mm
- Saw blade width: 70 - 280 mm
- Grinding profile: all profiles
- Weight: 620 kg
- Stellite wire length: up to 1000 mm
- fully automatic

MN-13 side grinding



- Side grinding angle: 0° - 8°
- Teeth pitch: 25 - 50 mm
- Saw blade width: 70-280 mm
- Grinding profile: all profiles
- Weight: 880 kg
- fully automatic

# LOG HOUSE CONSTRUCTION

## CIRCULAR SAWS

### MV-8 grinding



- Front angle grinding: 6° - 35°
- Back angle grinding: 0° - 35°
- Side angle grinding: 0° - 45°
- Diameter of circular saws: 90 - 500 (900)
- Weight: 185 kg
- electronic control

## HSS KNIVES

### MN-16 grinding



- grinding of profile knives
- works with copying pattern
- automatic feeding of the grinding disc
- Weight: 180 kg
- emulsion cooling



**SB420 in Germany**

#### The easy way to build log houses!

The SB 420 produces **rounded logs, ready for construction of log houses**. Its solid and robust construction ensures stability of processing and quality of its products. It uses two milling heads with 13 kW motors, which are the guarantee for high speed of processing.

#### This all in one machine includes the following functions:

- Rounding of logs
- Milling of cross grooves for cross joining of logs
- Milling of longitudinal grooves for longitudinal joining of logs
- Drilling of drill-holes for binding of logs
- Production of specially shaped pillars (option)

#### Equipment:

1. Controls with electronic measuring
2. Two vices for clamping and rotation of logs
3. Double lifting device for positioning of logs
4. Cross milling head
5. Longitudinal milling head
6. Double drilling machine
7. Belt conveyor for waste mounted inside or underneath the machine
8. Longitudinal circular saw to release tension in wood (option)
9. Additional milling head for production of pillars (option)
10. In-feed and out-feed conveyors (option)



**SBO350 in Croatia**

#### For additional possibilities in log house construction!

The SBO 350 is an addition to the SB 420 for customers who want to be more flexible in construction and process rounded logs additionally. After processing rounded logs on the SB 420, additional secondary processing can be done on the SBO 350.

#### Functions:

- cross cutting of rounded logs (adjustable angle: 45°-90°)
- milling of cross grooves with C adjustable angle: 45°-90°)
- milling of grooves for installation of windows
- drilling of drill-holes for binding of logs or for electrical installations
- milling of rectangular grooves (option)

TECHNICAL DATA	SB 420	SBO 350
Max. log diameter:	600 mm	/
Max. diameter of rounded logs	420 mm	350 mm
Min. diameter of rounded logs	130 mm	130 mm
Max. log length:	9000 mm	unlimited
Min. log length:	1500 mm	1500 mm
Power of milling heads:	2 x 13 kW	13 kW & 5,5 kW
Total power:	44,5 kW	27,5 kW
Approximate weight:	5300 kg	2500 kg
Total width:	2100 mm	2400 mm
Total height:	2350 mm	2200 mm
Total length:	13500 mm	4600 mm + 8000 mm

# CUSTOMERS SAY...

[www.mebor.eu](http://www.mebor.eu)

"I have been sawing wood for more than 20 years. In the early years I was using a band saw with narrow blades. In 2006 I decided to buy a Mebor band saw HTZ 1000. I purchased the machine from Mebor's dealer PRES SK, about whom I heard only the best opinions. I was using the machine with great satisfaction, so in 2013, I decided to upgrade to a more modern and faster HTZ 1000. To everybody, who is deciding to buy new sawmilling technology, I recommend Mebor band saws."

**Mr Miloš Borovička, Drevo Trans, Slovakia. (HTZ 1000 band saw)**

"We searched across the globe looking for a rugged, high efficiency milling solution at an affordable price and found it in Mebor's HTZ1200 SP+, VR900 multi-rip saw and associated complete sawing line. When you are 16,000 km from the source you need absolute confidence in the reliability of the equipment and the quality of the support services. We set a very high benchmark and Mebor has met or exceeded all of our expectations." **Mr Chris Curran, Jindivick timber, Australia (Complete sawing line)**

"I am glad to have had the opportunity to purchase the Mebor machine. The performance and quality of its work makes it far superior to any machine of this type."

**Mr Alvaro Rodríguez Ottanello, Aserradero Antolin, Uruguay (HTZ 1000 band saw)**

"We are cutting logs up to 1,5 m in diameter. Our professional band saw HTZ 1200 SP Extreme 15 handles big logs easily. We, who use a Mebor band saw, know what quality and robustness means for a band saw. Now, we are running our third Mebor band saw!"

**Mr Richard Mitteregger, Mitteregger Säge und Hobelwerk, Pfarwerfen, Austria (HTZ 1200 SP Extreme 15 band saw)**

"We cut mostly wood for carpentry, for pallets and sometimes also hardwood. We had purchased the first Mebor band saw in 1984 and then in 1997 upgraded our production with new Mebor machines - HTZ 1100 band saw, an edger and a sharpening machine. Our production was improving and growing, so we decided to buy a faster Mebor band saw in 2007, the HTZ 1200 SP Plus. We are very satisfied with our machines and recommend them to all sawmills. All works well, also when we work in two shifts."

**Mr Franc Glavan, Slovenija (Mebor Sawing line)**

"It is a very versatile machine, which has allowed less people to produce the same quantity of wood in an 8 hour shift. It allows sawing of hardwoods, at high speeds. Makes me want to buy another Mebor band saw."

**Mr Juan Antonio Naranjo, Inmunizadora Serye, Colombia (HTZ 1000 band saw)**

"In the past we had been using a gang saw. After a fire at our sawmill, we bought a Mebor HTZ 1200 SP+ band saw. With the Mebor machine, we are more flexible. We can cut special sizes easily and deliver wood in a shorter time. We are very satisfied with the machine! We like the strong construction and the automatic functioning. Usually, only one man is working with our band saw." **Mr Josef Kalhammer, Sägewerk Josef Kalhammer, Germany (HTZ 1200 SP Plus band saw)**

"After we started using our Mebor band saw, the work has become easier and faster. Besides our regular work, now we can also handle special heavy logs above 1 m in diameter."

**Mr Willem and Joost Van Dijk, The Netherlands (HTZ 1200 SP Plus band saw)**

"We have been using Mebor machines since 2000. We are using them basically non-stop, three shifts a day. Especially, we like their reliability and endurance. Mebor machines have helped our company grow and produce high quality products."

**Mr Dushin Alexandre Viktorovich, Lenalesservis, Russia (Complete sawing line)**

"In 2010 we purchased our second Mebor Mill. We purchased the Mebor 1200 SP Plus because of the reliability of our first mill. The new Mebor cuts 30 foot length logs and up to 53 inch in diameter. We are very satisfied with the mills construction and quality of the lumber products it produces."

**Mr Tom Franklin, Shasta Green Inc., USA (HTZ 1200 SP Plus band saw)**

"The technical assistance for our new Mebor sawmill has been excellent from the day it was installed. We were initially given a very thorough training package and since then any technical queries have been answered by email in less than 24 hours. The back-up package has been first class!"

**Mr Emry Wyn Parry, Coleg Meirion Dwyfor, Wales, UK (Small sawing line)**

"At our company we produce elements for the window production. Years ago we were using small band saws with narrow blades. We started using Mebor band saws in 2008. The productivity and cutting precision increased significantly. Now we need fewer operators. We are using two sawing lines with six Mebor band saws."

**Mr Ivo Sloka, Sia Tezei, Latvia (Two complete sawing lines)**

"We had started using the first Mebor band saw, the HTZ 1200 Professional in 2004. Later we added another HTZ 1200 Professional, two VR 800 edgers, a CEL 700 cross cut saw and blade maintenance machines. The machines have been running perfectly and have needed minimum servicing. We like the reliable and durable construction, as well as the simple maintenance. With Mebor machines we need less workers, our products are of better quality and our production increased considerably. All this results in more profit of our company."

**Mr Evtim Mutafov, Dospatles Ead, Bulgaria (Two complete sawing lines)**

"Our Mebor band saw really is a heavy duty, well-built machine. The Mebor provides accurate cutting whilst also being completely user friendly. The machine's automatic control greatly helps us to speed up production. It takes out the workload from the hands of the man and into the hands of the machine."

**Mr Tom Plant, Peak Oak, England (HTZ 1200 Super Profi)**