

## Technical data and details

### Technical details



Chain arms for turning of logs and cants



Alignment arms for the positioning of logs and 2-sided cants



Logs and cants are held between top and bottom hold and feed elements



Centering system for guiding of the cants in front of the bandsaws



Centering system for guiding of the sawn lumber behind the bandsaws



Roller conveyor width 2000 mm

### Technical data of the bandsaw units of the EBT4-1600 with 4 moveable bandmills

Model	EBT 4-1600	
Wheel diameter	mm	1600
Wheel face width	mm	190
Saw blade width	mm	205
Saw blade length	mm	ca. 10140
Drive motor size	kW	4 x 55 - 90
Log length	m	2 - 8 (12)
Log diameter	mm	100 - 800
Feed speed when sawing	m/min	up to 120
Feed speed return pass	m/min	up to 140

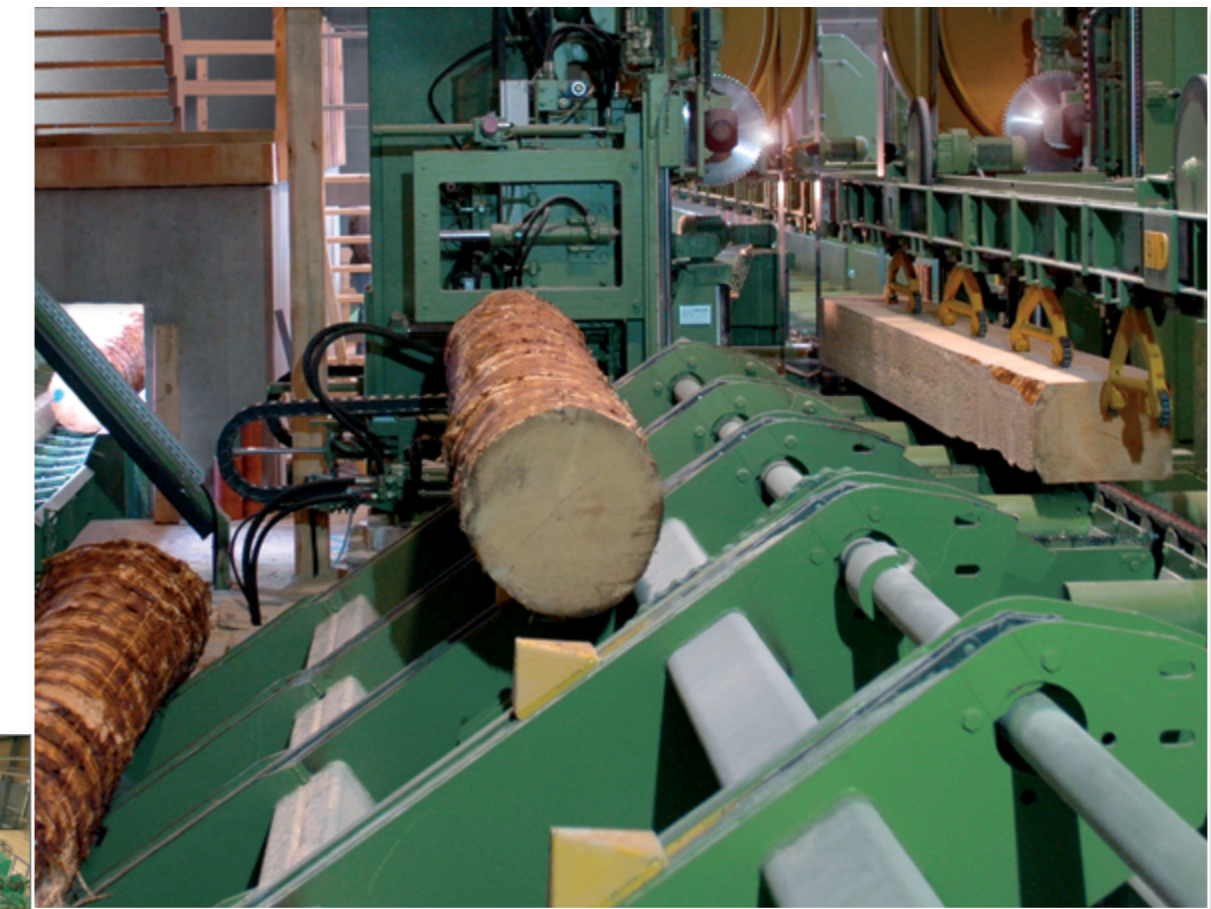
Due to constant product improvements or developments the illustrations and specifications shown in this brochure are subject to change without notice.

[www.ewd.de](http://www.ewd.de)

**Esterer WD GmbH**  
 Estererstraße 12  
 84503 Altötting, Germany  
 phone: +49 (0)86 71 - 5 03 - 0  
 fax: +49 (0)86 71 - 5 03 - 386  
 e-mail: [info@ewd.de](mailto:info@ewd.de)  
 internet: [www.ewd.de](http://www.ewd.de)

**Esterer WD GmbH**  
 Täleswiesenstraße 7  
 72770 Reutlingen, Germany  
 phone: +49 (0)71 21 - 56 65 - 0  
 fax: +49 (0)71 21 - 56 65 - 400  
 e-mail: [info@ewd.de](mailto:info@ewd.de)  
 internet: [www.ewd.de](http://www.ewd.de)

## RoboLine



Universal bandsaw machine center

Custom-made solutions  
 Custom-made solutions  
 Custom-made solutions



Edger Optimizer Technology

CircularSaw & Profiling Technology



The SawLine Company™



© Esterer WD GmbH – rev. 002\_2011



## Universal bandsaw machine system

Custom sawn timber, dimension products and live sawing



Space saver, no merry-go-round system required

The set time for a new saw pattern is extremely short. Slabs are automatically discharged before going to the edger system. Round logs or 2-sided cants are clamped on a driven carriage rail and fixed during the sawing process until cut direction is changed. This process provides a very good sawing accuracy. No merry-go-round system for resawing is required. Log rotation and alignment of the log or cant are

supported by the OptiLine system on the PC screen. There the saw pattern selected by the optimizing PC is displayed as well, which can be altered by the operator depending on the log quality. The recovery of the RoboLine is considerable better compared to similar circular saw systems because of the log alignment possibility along the log center line and the narrow saw kerf.



Slab discharge



Permanent holding of logs or cants



2D Round log scanner

## Flexible bandsaw system for all saw patterns

The RoboLine can be used as universal machine center or as a sole primary breakdown machine.

### Example of universal sawing process



1. Orientate round log



2. Sawing slabs primary breakdown



3. Sawing primary side boards



4. Sawing slabs secondary breakdown



5. Sawing secondary side boards



6. Resawing of center product

### Example of live sawing process



1. Sawing of slabs



2. Sawing side boards

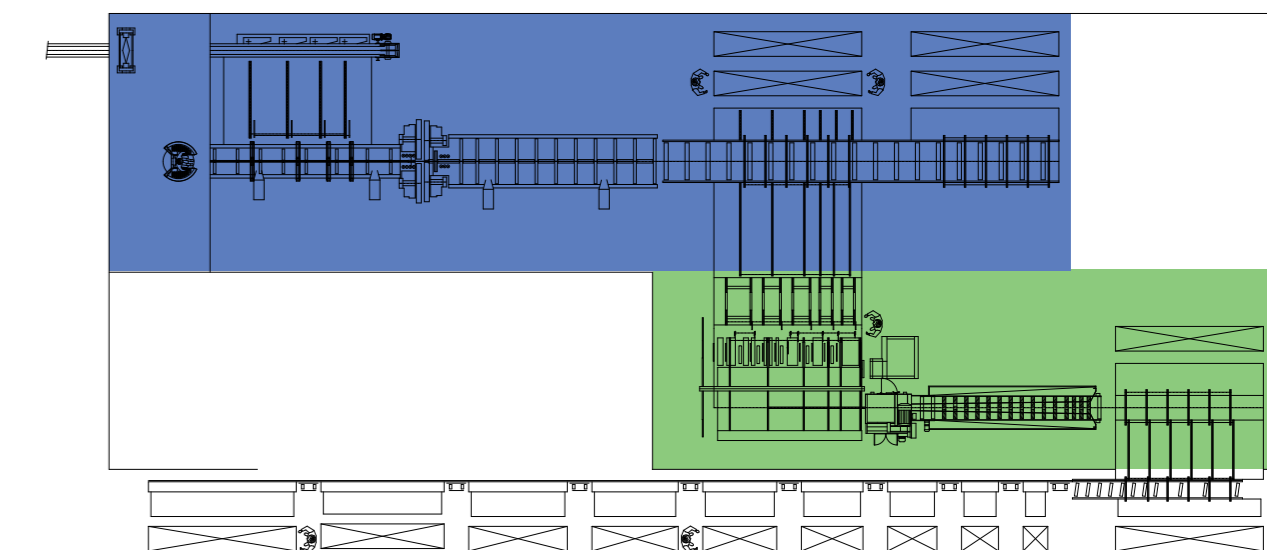


3. Sawing of flitches

## High flexibility with the smallest possible foot print

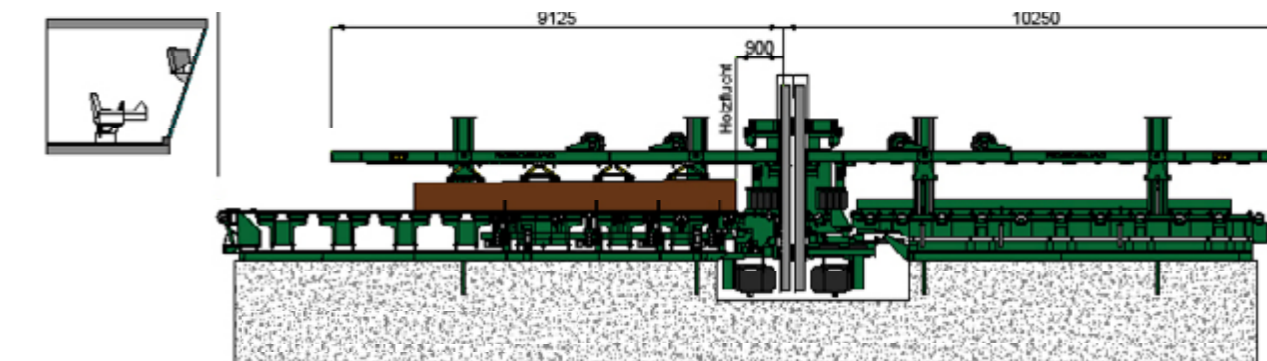
### RoboLine

Quad bandsaw unit with combination optimizing edger/resaw system



■ Bandsaw Technology  
■ Edger Optimizer Technology

### Installation with a log length of maximum 8m



The RoboLine can be installed anytime in an existing sawmill, i.e. with a frame saw. The required outer dimensions of the sawmill building are almost identical. There is no merry-go-round system for cants required. Slabs can be discharged prior to the edger and sent directly to the residual handling system.