# High Capacity Sawmills

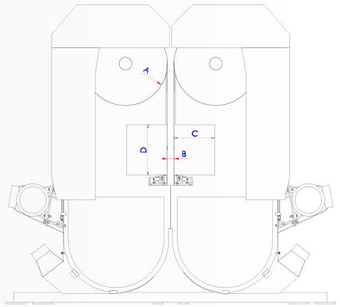
ÜSTÜNKARLI
LOG SAWING LINES

## BANDSAW TECHNOLOGY

Since 1954

Founded in 1954 in Izmir **ÜSTÜNKARLI** started off as a small workshop for producing sawmill machinery. Today, its production site near Izmir Adnan Menderes Airport spans some 20,000 square meters and its widely trusted machines are exported worldwide. **ÜSTÜNKARLI** uses state-of-the-art software and hardware to ensure its solutions for the primary wood processing industry which are always produced both reliably and economically, with a strong customer focus and in compliance with international standards.

## Technical Data of main machines:



### Twin Bandsaw Details ----------

- Max. Log Diameter : 500mm.
- Min Log Diameter : 150mm.
- Max. Log Length: 6000mm.
- Min Log Length : 2000mm. (1200 mm Option).

### Log BandSaw Details ----------

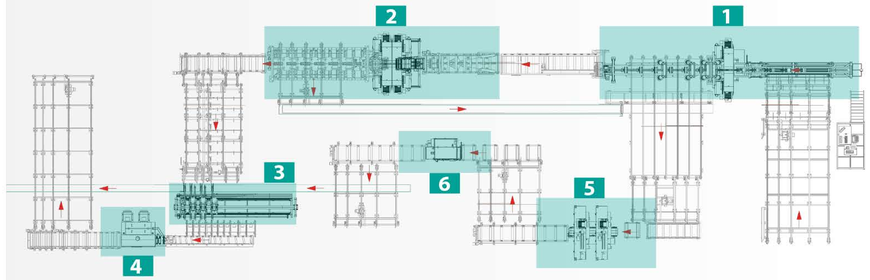
- Diameter of Wheels : 1000mm / 1200mm / 1400mm.
- Width of Wheels : 115mm / 135 / 190mm.
- Main Motor Power : 45kw / 55kw / 75kw / 90kw.

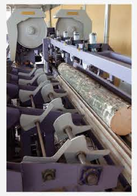
### Chipping Canter Details ----------

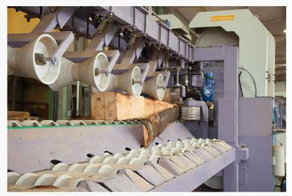
- Saw Diameter : 550mm / 820mm.
- Max. Chipping Depth : 150mm.
- Main Motor Power : 55kw / 75kw / 90kw.

The appropriate choices are determined by our team according to customer needs.

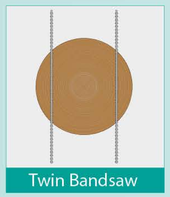
## Example 1 : Twin Bandsaw Technology



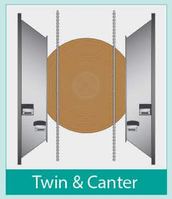





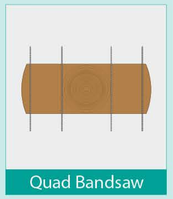
**1 Log Sawing:**




or




**2 Cant Sawing:**

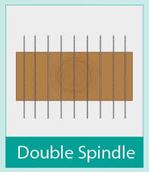



This type of configurations is ideal for Pallet Timber Producers, daily capacity between 180 -

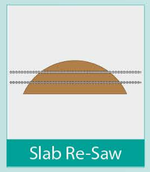
• Quadro Bandsaw can be configured as a main machine for sawing logs.

**3 Multiple Cross Cut :**

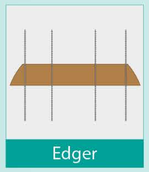
**4 Multiple Rip Saw :**




**5 Horizontal Band Re-Saw :**




**6 Parallel Board Edger :**

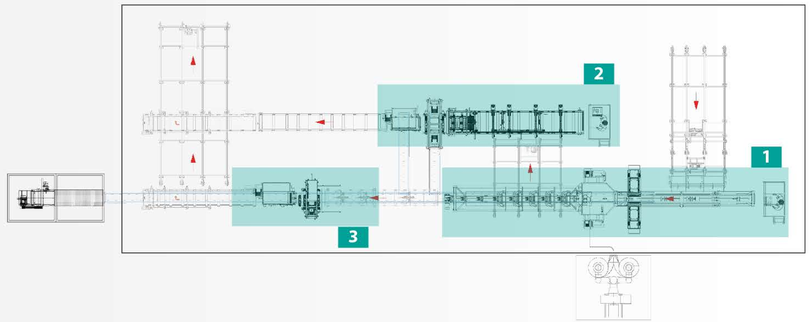



*The Cross Cut, Horizontal Band Re-Saw and Edger are provided in multiple versions / capacities, in accordance with the specific needs of the customer.

**Option :**

- All the slabs can be operated by using chipping canters.

## Example 2 : Circular Technology



## Reliability, Heavy Duty & Performance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# ÜSTÜNKARLI
LOG SAWING LINES

## CIRCULAR SAW TECHNOLOGY

## PRISMA LINE

**1 Log Sawing :**

**2 Edger Line :**

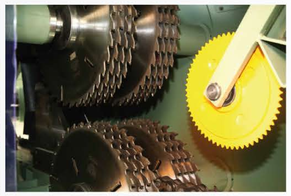
**2 Multiple Rip Saw :**

- The Parallel Board Edger is equipped with alignment and optimization systems (according to the customer's needs, it's possible to customize the configurations of the Edger Line).
- Multiple Rip Saw with automatic inlet and outlet conveyors (without operator).

Once the Edging and Re-Sawing stages are done, then the products pass to the trimmer where they are cut in specific lengths.

**Capacity:**

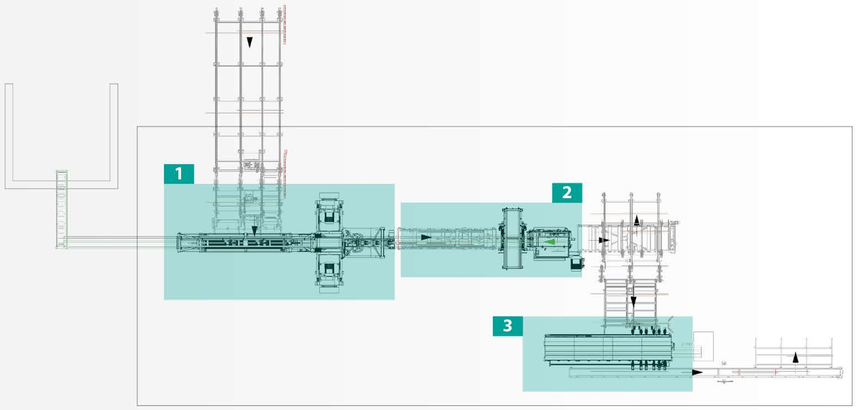
As an example, this kind of sawmill is able to saw up 400m$^3$/day.
This capacity can be increased by integrating other machines/lines.



**Prisma Machine:**

- 4 moveable up and down Cirular Spidnle spindles.
- Inlet conveyor with hydraulic/pneumatic system upper clamps.
- Slab and Timber receiving conveyor with hydraulic/pneumatic side clips.
- Available logs up to 400 mm diameter.
- The sawing forces are divided equally on the 4 saw spindles.
- Equipped with upper pressing arms with chain conveyor system for continuous log feeding (feeding speed from 10 up to 43 m/min).
- Two slabs and 2/4/6 boards cutting possibility by using 4/8/12/16 pieces of 600mm circular saw blades. Adjustment of the inner blades with distance rings.

### Example 3 : Canter Technology




**1 Log Sawing :**

**2 Board Sawing :**

**3 Multiple Cross Cut :**

Turn-key project solutions:

Regardless of size and complexity of your projects ÜSTÜNKARLI has the technical means and the expertise to satisfy all your requests and complete your projects within the predetermined time, with our experience and expertise:

- Pre-projects study and feasibility.
- Offer / Budgeting.
- Technical information and documentation.
- Drafting contracts and specifications.
- Audit and advice.
- Optimization and Process Improvement.

sales@ustunkarli.com info@ustunkarli.com www.ustunkarli.com

Equipment for turn-key projects :

- Automatic Log Sorting Line with scanning system.
- Debarkers with bark conveyors (up to 1000mm log diameter).
- Metal detector.
- High capacity stacking line.
- Sharpening Manchines (for circular saw blades, Bandsaw blades and knives).
- Sawdust suction systems.
- Waste - Wood Shredders.
- Biomass fired boiler systems.
- Kiln Drying Chambers.

**ÜSTÜNKARLI** develops semi-automatic sawmills with only two operators. A semi-automated sawmill is not equipped for automation only , it is built to have the most efficient layout and allow the largest possible flow of logs and sawn timber. In order to be well adapted and functioned properly, the conveyors are incorporated into installation, so that allows self-disposal of the waste. There are many plans to present for automatic sawmills that can be adapted to the special conditions at each installation.

Since 1954... **Expertise**

...Based on Experince.