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.
- Saw Diameter: 550mm / 820mm.
- Max. Chipping Depth: 150mm.
- Main Motor Power: 45kw / 55kw / 75kw / 90kw.

**Chipping Canter Details**
- Main Motor Power: 55kw / 75kw / 90kw.

After studying the customer's needs, our team designs a customized project to meet the customer's expectations.

**Example 1: Twin Bandsaw Technology**

**Example 2: Circular Technology**

*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.
ÜSTÜNKarlı 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 for automatic sawmills that can be adapted to the special conditions at each installation.

PRISMA LINE

- With 4 Spindles
- Edger Line:
- 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).

Example 3: Canter Technology

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

CIRCULAR SAW TECHNOLOGY

Prisma Machine:
- 4 moveable up and down spindles.
- Inlet conveyor with hydraulic/pneumatic system upper clamps.
- Slab and Timber receiving conveyor with hydraulic/pneumatic side clips.
- Diameter up to 400 mm.
- The sawing forces are divided equally on the 4 saw spindles.
- Clawed 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.

Turn-key project solutions:
Regardless of size and complexity of your projects ÜSTÜNKarlı 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 we offer:
- Pre-projects study and feasibility.
- Offer / Budgeting.
- Technical information and documentation.
- Drafting contracts and specifications.
- Audit and advice.
- Optimization and Process Improvement.

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