Technical Data of main machines:

**Log Carriage**
- Max. Log Diameter: 1100mm.
- Min Log Diameter: 200mm.
- Width of Carriage: 2150mm.
- Width of Rail: 1220mm.
- Max. Open of Headblocks: 1000mm.
- Max. Open of Hooks: 1000mm.
- Headblocks positioning speed: 320mm/s (500mm/s Option).

**Log BandSaw Details**
- Diameter of Wheels: 1200mm / 1400mm / 1600mm.
- Width of Wheels: 140mm / 190mm / 245mm.
- Saw Diameter: 550mm / 820mm.

**Chipping Canter Details**
- Max. Chipping Depth: 150mm.
- Main Motor Power: 45kw / 55kw / 75kw / 90kw / 110kw / 132kw.

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

**Example 1: Hardwood**

For tapered logs, it is advisable to opt for the independent headblocks carriage model.

**Advantage of independent headblocks with optimization system (Optional):**
- Automatic alignment and optimization during the first pass.
- Positioning accuracy which increases yield and productivity.
- Training of a new operator is very fast.
- Production reporting.

**Example 2: Softwood**

**Advantage of the second axis (Chipping Canter):**
- Deleting the management of the slabs, this part is often difficult to solve especially when the shape of logs is not good (conical).
- Allows an increase in productivity (Canter chipping price is amortized very fast).
- In order to have the final products with specific lengths, the different configurations can incorporate a high capacity trimmer (up to 50 products/min - Trimmer configuration: from 2 blades to 8 blades).
- The stack is managed in high capacity trimming lines automatically.

Example 3: Hardwood

- This type of configurations is ideal for sawmills with a capacity ranging from 15,000 to 20,000m³ per year, especially in markets where ancillary products such as wood chips are not highly valued (Example: Balkan market).
- The parallel board edger is equipped with touchscreen control system and slab separating device which makes it possible to avoid a full-time co-worker in outfeed of the Edger (Generally, this investment is quickly profitable, after a few months).
- Compared to circular saw technology, this kind of sawmills allows flexibility with superior performance. It is provided with a better choice for lumbermen whose goal is to enhance quality and increase the margin of products (The boards located towards the middle, on the same board are in different qualities; with knots and without knots, due to flexibility of this technology, we can separate the quality of timber).

Sawing Capacity and Performance:

- This type of configurations is ideal in sawing softwood especially for a construction timber. The main machine guarantee the flexibility and high sawing speed (Carriage speed up to 160m/min - Headblocks positioning up to 500mm/s).
- The Edger Line is equipped with optimization system by using two working modes (Quality mode and Program mode).
- ÜSTÜNKARLI equipment is designed and developed to minimize customer costs by using a minimum number of operators in order to be in line with the market economic reality.