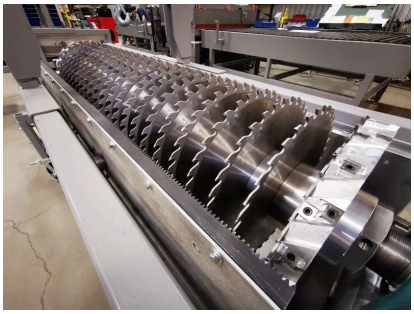
DOUCET

PANEL RIP & GROOVING SAWS AUTOMATED SYSTEM

This automated solution is designed for grooving and cutting wood panels into multiple strips. There can have different widths, depending on your setup, so it is tailored specifically to meet the client's requirements. With its efficiency, this system helps overcome lack of space and manpower, if so.





SAW ARBOR



OUTFEED SCISSOR LIFT STACKING SYSTEM



AP AUTOMATIC PANEL FEEDER

WARRANTY 1 YEAR

CHARACTERISTICS & OPERATION

SYSTEM'S MAIN FUNCTIONS

- A wood sheet is placed on the AP automatic panel feeder, which separates the panels at the entry point and feeds them towards the first chain transfer;
- The ERS-96 receives the panels. This Grooving Saw is mainly designed to make the curved groove under the core layer;
- The panel comes out of the ERS-96 and is transferred by the second roller conveyor with chain transfer to the next step;
- The panel is received by the RS-75, which cuts it into multiple strips with predetermined widths. This multiple blade rip saw can run at a feed rate of 75ft per minute and comes with a 40 HP motor for the arbor;
- The strips are coming out from the saw and landing over a 5 x 8 exit scissor lift moving down between each layer of strips.

The RS-75 has a second motor for the feed rollers, which consist in four feed rollers in the bottom and four pressure rollers on the top. It has a 60" width capacity for the panel.

The operator will need 15 to 20 minutes to swap the arbor from the order.

The AP Automatic Panel Feeder has a hydraulic power unit for moving the lift table, 3-finger pusher arm and motorization of rollers. Three (3) rollers are powered to bring bundle to reference line. All operations can be performed in manual, semi-automatic or automatic mode as desired.

This specific production line includes the following equipment:

- **RS-75**;
- **ERS-96**;
- **AP Automatic Panel Feeder**;
- Two roller conveyors with Chain transfer;
- One Outfeed Lift Table;
- A Power and Control Panel.

Watch the Grooving and cutting wood panels automated system in action in the video below.

OPTIONS & SPECIFICATIONS

Available options on RS-75 and ERS-96 tooling:

- Spacers of different widths manufactured according to the position of the grooves and edging strips;
- Interchangeable Panel Support Bar.

RS-75 can be upgrated to **HRS-120**, which is a model that can go up to 120ft per minute feed rate. The HRS-120 has a base motor of 75 HP.

