

DOUCET

GPS TONGUE & GROOVE AND INTERLOCKING END-MATCHER

The End-Matcher model GPS-90 is designed for tongue and groove and interlocking engineered flooring. GPS-90 enables you to create or recreate complex setups in a matter of minutes and hold these machining setups within very tight tolerances, board after board... after board.



GPS-120 TONGUE & GROOVE AND INTERLOCKING
END-MATCHER



GPS - CROSS TRANSFER ROLLER CONVEYOR



GPS - MACHINING WORKSTATION 1

CHARACTERISTICS & OPERATION

The End-Matcher model GPS-90 is designed for tongue and groove and interlocking engineered flooring. GPS-90 enables you to create or recreate complex setups in a matter of minutes and hold these machining setups within very tight tolerances, board after board... after board.

It is designed to End-Match random length flooring of various widths and thicknesses.

It features a traverse bar conveyor with machining centers on opposite sides of that conveyor. Two sets of "side-shift rollers" embedded in the traverse bar conveyor align or realign the boards ahead of the machining centers. A third set of rollers is used to outfeed boards at the exit end of the machine.

It is suitable for machining Tongue and Groove profiles on the opposite end of the boards. They feature machining centers equipped with saws for trimming blocks, machining the top and bottom tongue and cutting the matching groove. The trim saws and the top and bottom groovers are "climb cutting" tools rotating in the same direction as the direction of feed, thus avoiding chip out on the back side of the floor boards. The horizontal groover rotates against the direction of feed. In addition, the GPS Model can be configured to machine interlocking "Click" or "Snap" profiles.

Machining is performed referring to the top surface of the boards.

SPECIFICATIONS

- Heavy duty framework;
- High precision machining environment;
- Digital Positioning System;
- Basic five-spindle configuration, for tongue and groove solid flooring applications;
- Feed speed 90 feet per minute.

For more specifications, see the brochure.

OPTIONS & SPECIFICATIONS

- Two models available: GPS-90 & GPS-120;
- Expanded seven-spindle configuration, for interlocking engineered flooring;
- Optional feed speed upgrade top 120 feet per minute;
- Traverse bar spacing 6, 9 or 12 inches on center;
- Open workstations for end defect removal, automatic positioning of boards when used with scanner/printer optimization devices;

- Automatic Positioner: it reads marks placed on the part (by printer or manual placement) and mechanically positions the part correctly and precisely in front of the trim saw blades;
- Feed conveyor extension for defect removal and/or feed stations;
- Even-ended for maximum length up to 120";
- Carbide tooling systems for solid wood and plywood flooring;
- Diamond tooling systems for HDF engineered flooring.

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