Universal Production Line (High Volume)
Description:
Lamination Process:
The jumbo OSB sheets are loaded by the OSB loading mechanism and then transported to the squaring table. The glue applicator will apply the glue and water mist to each layer. The panel is assembled within the squaring table and then transported to the hydraulic press, where the panel is pressed for the required period of time.

Shop Layout:
There are two basic layouts of equipment: a short version that consists only of the lamination portion (with optional CNC cutting table), and a long version that includes a CNC cutting table with cross directional transfer table.

The diagram (below) of the long version is the most efficient layout for a manufacturing facility. The difference is the presence of a cross directional transfer table between the press and the CNC cutting table, which eliminates production bottlenecks.

The lamination process will produce a single panel every 5-6 minutes while the time required to cut a panel at the CNC cutting table depends on the total length of all cuts. The CNC cutting table will cut at a speed of approx. 10 linear feet per minute. If a panel requires extensive cutting, the CNC process can take longer than the lamination process, and will bottleneck production. The cross directional transfer table solves this problem by allowing laminated panels to be unloaded ahead of the cutting table so that the lamination process can continue independently of the cutting process.

The diagrams below are recommended plant configurations, although other variations are possible to suit client’s needs. SIPSTECH can also provide wall handling equipment, which will allow finishing either in the horizontal or vertical position, again depending on the client’s needs.

Price includes:
• Moving Gantry Bead Glue Applicator
• Skins Loader
• Squaring Table
• Hydraulic 200 Ton Press
• Unloading Table (optional)
• OSB Stand (optional)
• CNC cutting table (optional)
• Installation (Canada & US only)
• Training on equipment use

All prices are Canadian dollars, FOB our plant near Calgary, Alberta, Canada (net of all taxes and duties)

*The client is required to enter into licensing agreement with ECOPAN Corporation.

Optional Equipment:
Cross Directional Table $18,900 USD
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Universal Short Line

Universal Long Line