



A subsidiary of EcoPan Corporation

<b>Manual Cement Skin Line</b>	<b>Panel size 4' x 8'</b> (longer optional)
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Capable of producing SIPs with various skins including OSB and CEMENT skins

**Description:**

**Lamination Process:** The skins are manually fed under the gluing applicator that automatically applies fast glue and water mist. The solid foam core and the skins are manually sandwiched together. The stack of panels is assembled in the hydraulic press, where it is pressed for 1 to 2 hours. The manual cement skin line is capable of producing up to 320 sq. ft. of 4 x 8 wall panel (or up to 640 sq. ft. of 4 x 16 wall panel) per 2 to 3-hour cycle. Requires two to four man crew that works 20 minutes per each cycle.

**Shop Layout:**

The lamination line requires approximately a 15 by 40\*\* foot area. Additional space will be required for manual fabrication tables, for storage and for material inventory.

**Options:**

- Larger Panels: The basic line will produce 4' x 8' Structural Insulated Panels up to a thickness of 12.25", using cement, OSB or other approved skins. SIPSTECH can also provide this line with the capability of producing panels of greater length—up to 4' x 16' with prices as per the table.
- Cutting Saw: Lines can be equipped with a saw to cut panels into any required length, at a cost of \$20,000 to \$60,000.
- 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:** All prices are US dollars, FOB our plant near Calgary, Alberta, Canada, net of all taxes and duties.

**Price includes:**

- **Bead Glue Applicator**
- **Conveyer**
- **Hydraulic Press (high stack)**
- **Installation\*\*\***
- **Training on equipment use**

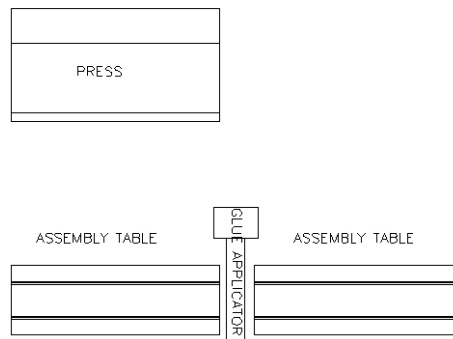
*\*The client is required to enter into licensing agreement with EcoPan Corporation.*

*\*\* for 4 x 8 panels, for each additional foot of length add 4 feet*

*\*\*\* The client is responsible for the travelling and accommodation expenses and any surcharge for different power requirements than in North America.*

9 ft machine ADD	\$ 18,000.00
12 ft machine ADD	\$ 30,000.00
16 ft machine ADD	\$ 64,000.00

MANUAL ASSEMBLY LINE



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