

# Laminating Membrane Presses



## **3D press designed for flexible production utilizing a wide range of materials.**

The membrane press is designed for a variety of 3D products using veneer and/or rigid thermo foil. Ideal for a new product or manufacturing start-up of 3D components, this press line has the ultimate combination of flexibility and productivity. Available with one or two trays, the Eagle will produce high quality components from materials such as PVC, PET, Kydek, standard rigid thermo-plastic foils and veneer.

Available in the U.S. from Stiles, the Membrane Presses is supported with advanced equipment integration, experienced manufacturing consulting as well as superior service and support.

## Features

- 3D foil and veneer lamination
- One or two trays
- Membrane or membrane-less pressing
- Two-roll vinyl magazine with anti-static device

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**Membrane pressing technology** ensures a more even heat applied to the foil so the material stretches easier for faster pressing and a higher quality glue line. The membrane ensures a higher temperature for a longer period of time to aid in the proper cure of the glue, especially on the edges of the part.

**Two (2) trays** come standard with the machine and are automatically driven in and out of the press for speed and convenience. The layout of the machine is ideal against a factory wall to best utilize space. If limited space is available, a one-tray configuration is available.

**Infrared temperature control** provides automatic detection of the membrane temperature to ensure pre-set temperature is obtained before the press closes.

**Upper and lower vacuum** – The upper vacuum draws the membrane to the top heating plate while the lower vacuum is used in conjunction with positive pressure from behind the membrane to ensure removal of air in the lower press chamber for quality forming of the material.

**Replaceable heating rods** in upper heating plate reduce the maintenance costs of buying an entire new heating plate. The heating rods can be easily tested and changed out as required.

**Patented multi-function frame** allows for further vacuum to be applied between the foil and membrane for better pressing quality and permits cold compressed air to flow at the end of the pressing cycle for faster cure of the glue line and soft separation between the membrane and foil.

**Two (2) roll vinyl magazine** comes standard on each side of the press includes anti-static device for the foil.

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