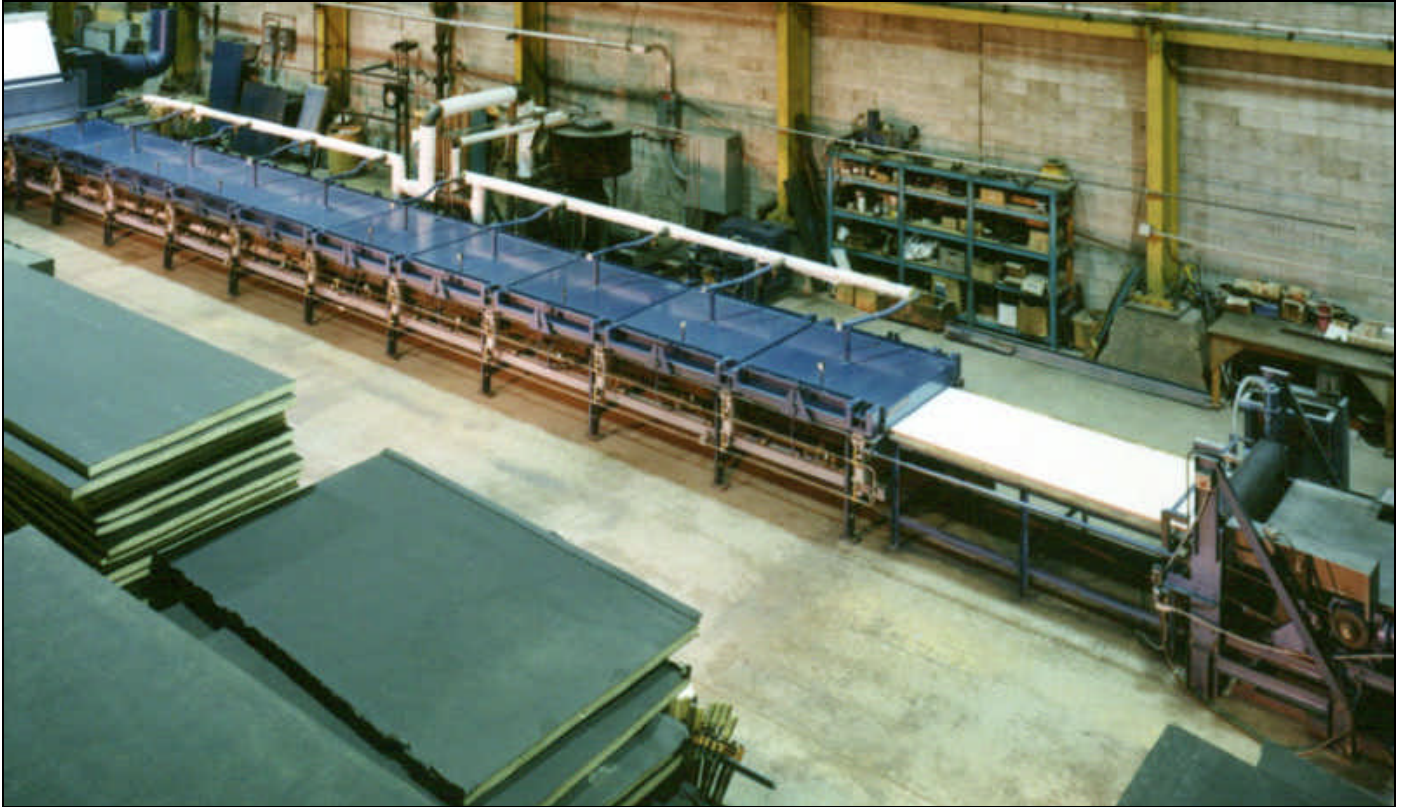


Process Tunnel®

FOAMBOARDER

a major breakthrough in foam core panel technology



Process Tunnel® Foamboarder® in high speed continuous production of 1.5" x 48" phenolic foam core with paper skins. Panels are automatically side trimmed and cut to length. In foreground are urethane panels showing both side trimmed and folded edges options.

The Process Tunnel® is a new generation Foamboarder® production line for the manufacturer of urethane, isocyanurate, phenolic and reinforced foam core panels. The conventional double-belt pressure section of the panel line has been replaced by a Process Tunnel® to permit spectacular improvement in performance.

The Process Tunnel® combines rapid heat transfer and accurately ground die plates to continuously constrain and shape the panels at a rate and quality much higher than possible with the double belt methods. Panel surfaces are free of belt marks and have been produced to an accuracy of $\pm .010$ of an inch in extensive testing with urethane, isocyanurate and phenolic foams. Higher operating temperature and superior heat transfer efficiency are ideal for cyanurates and allow shorter process lines and with much higher line speeds for all foams. Energy requirements are reduced. Greater line speeds are now achievable, limited only by chemical formulations and lay down techniques. Chemical lay down can be immediately adjacent to the pressure zone to allow for the use of accelerated formulations. Startup and thickness changeover is rapid and simple. Controls are combined in a console. Threading of paper, plastic and foil skins is simplified requiring a minimum of manual operation.

Faster

Smoother panel surface

Better thickness accuracy

Quieter

Safer

Higher thermal efficiency

Accurate temperature

Easier maintenance

Thin panel capability

Prompt delivery