



## STACKER - TERMINAL



Fosber's latest automatic stacker system, the Terminal, can be configured with one, two or three independent stacker levels. Essentially the Terminal is composed of 4 independently controlled conveyor belt sections, a braking section, a separation section and a downstacker type elevator deck expulsion section.

From the cut-off knife sheets are delivered on to the Terminal where they are first shingled and aligned on the braking section via a guided vacuum belt and an automatically controlled brush group assembly. The control system, according to a personalised pressure curve set at each individual installation, dynamically adjusts the variable pressure on each of the five brushes according to the sheet width, sheet length, the flute type, and actual running line speed being run. The combination of the vacuum belt and the brush assembly guarantees optimum stack quality right from the moment sheets are fed in to the Terminal.

Stack changes are accomplished via a moving clamp system which ensures clean and precise stack separation as well as allowing the fastest possible expulsion cycle times. The result is that stack/order changes can be carried out at the highest line speeds, while continuously maintaining the best stack quality available in the market.

Precision control of the elevator deck also assists in making sure optimum stack presentation is achieved at the highest machine speeds - whatever the type and size of product being run. This is thanks also to the introduction of an innovative new system whereby the angle of in-feed of the last belt section into the elevator deck is automatically adjustable according to the sheet size and flute type being run.

The stacker deck is fitted with a full width belt over roller section to provide greater stack stability and ease of expulsion. This means even the most difficult sheet sizes can be discharged without compromising machine performance nor operator safety. As an open and accessible machine the safety mechanisms (such as a double security chain, anti-intrusion laser scanners etc.) have been carefully implemented to provide unparalleled safety levels on the Terminal. The result is that the machine completely supersedes all the requirements laid out in EN 1010-5:2005, the industry's standard European CE Safety Directive.

The Terminal, thanks to its stand-alone intelligent machine program is able to continuously and dynamically adapt to exactly the type of production being run. The result is precise stack quality, at the highest speeds, under all production conditions.





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### Gallery



### Technical Data

Max board width	2500/2800 mm
Design speed	400 mpm
Min sheet length	500 mm

