

Coretex Aluminium Honeycomb Expander Datasheet

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ALUMINIUM HONEYCOMB EXPANDER

A semi automatic expander for use in connection with the manufacture of panels with aluminium honeycomb cores. The table will be sized to allow for a 30% overstretch of the product.

Before the core is expanded it will be loaded onto the table by hand. Each side of the core is fixed with locating pins which penetrate the core. These are designed for pre-insertion into the core and a spare set is supplied. One side of the core remains attached to a fixed beam, the other is attached to a moving carriage. As this is driven away from the fixed beam the core expands.

The locating pins are mounted on sliding brackets which allow for the narrowing of the panel, and assist the even expansion required for high quality core.

Machine Frame

Welded box section framework with adjustable feet primed and painted in one of a range of standard industrial finishes.

Expanding Table

Working height 850mm +/- 50mm.

Table size designed to allow for 30% overstretch.

Low friction table top to allow ease of movement.

Moving carriage driven through a rack and pinion system by a fixed speed 0.18kw motor gearbox.

The carriage is driven forward and reverse by push button, with the length of travel determined by an adjustable limit switches.

Product Specification

Core cell size:	Options for 1/8", 1/2", 3/8", 3/4" and 1" cell.
Typical sheet size after expansion:	2500 to 3000mm x 1250 to 1500mm (Larger on request)
Typical machine foot print	4000m x 2000m
Max sheet thickness:	100 mm
Prices:	Please call
Terms	30% deposit with order, 70% on inspection prior to dispatch
Leadtime	Typically 6 - 8 weeks from receipt of 30% deposit