

flex line - your ticket to the world of batch size 1

Demand for furniture components produced in batch sizes of just one has increased continuously over recent years. Following presentation of the first plants designed for batch size 1 production back at the Ligna 2001, a low-cost cell concept has now been unveiled in the form of **flex** line - an innovation capable of processing panel-shaped workpieces cut to precise dimensions and angles in different measurements on a single-sided edge banding machine. The **flex** line cell on show at the Ligna was fitted with the following machine components.

- Air cushion table
- Roller conveyor
- Automatic workpiece guidance
- Single-sided edge banding KAL 310
- Boomerang return conveyor
- Cell control

Processing sequence

Workpieces are fed to the **flex** line from the saw ready cut to precise dimensions and angles. The processing operations for the leading and trailing edge are simply selected using language-neutral graphic symbols at the new **Quick** touch input module. Processing takes place on one side of the workpiece per pass. If four sides of the workpiece are edged, four passes take place through the **flex** line. With a performance of 12 cycles/minute, around 400 workpieces can be processed independently of workpiece dimensions per production shift in batch size one.

The benefits of **flex** line for you:

- Just-in-time production
- Average space savings of 25 % (less intermediate storage)
- 400 batch size 1 workpieces per shift
- No width resetting
- Minimal logistical input
- Simple operation using **Quick** touch
- Up to 30 % less capital tie-up
- Optimum workpiece quality
- Throughput times almost halved

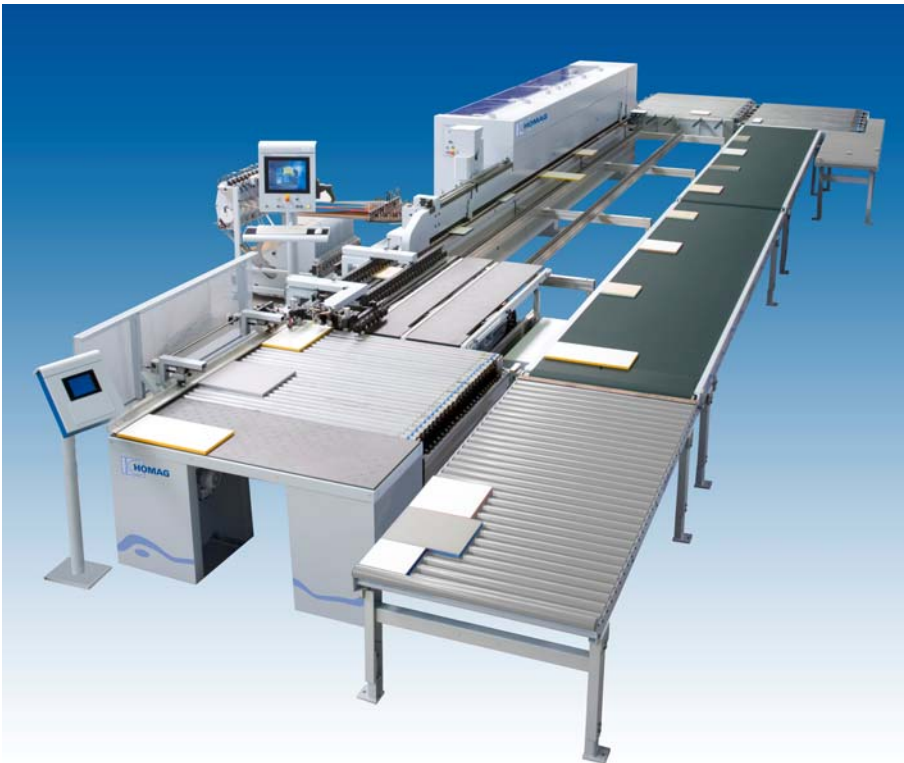


Fig. 1:
flex line cell

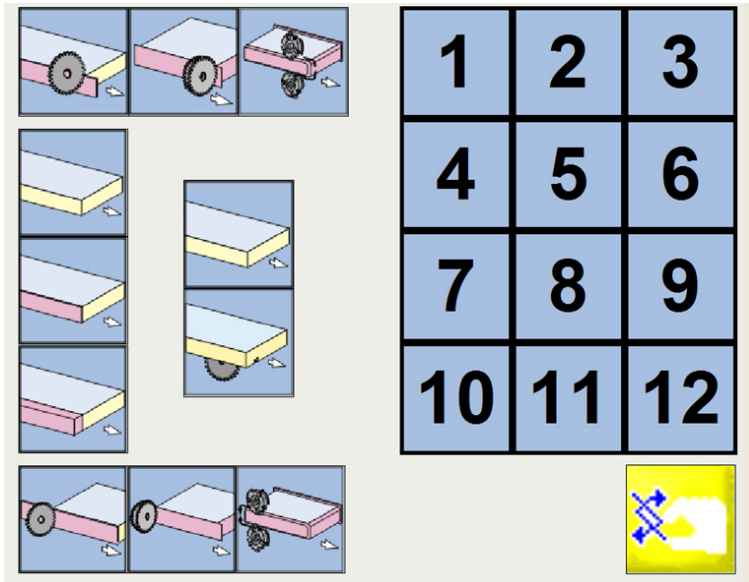


Fig. 2:
Quick touch input module for the **flex** line cell

For more information, contact

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