

STOCK SLOTF

Sheetfed Laminator On-The-Fly

with electronically-controlled lead edge sheet registration for highest level of quality, accuracy and performance.



For laminating single and double face (single wall), double wall corrugated board – open or closed flute - as well as solid board, suitable for producing the highest value-added display and packaging output.

German Engineering



For more information on the STOCK product line, contact the firm's North American Agent, Young Shin USA Limited:

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Machine with electronic sheet registration
‘On-The-Fly’ – mode – for ‘high speed and accuracy’



New designed fully automatic sheet laminator suitable for mounting carrier sheets of single and double face corrugated board (E-/B-/F- and G-flute etc.) up to 7 mm thickness (double wall) BC-flute (open and closed), as well as solid board from 350 gsm (approx. 0.5 mm) upwards – dependent on material quality, with printed sheets from approx. 130 – 800 gsm. Automatic sheet feeding of the carrier and top sheets, automatic stacking system. An automatic pre-feeder is available as well.

A pre-feeder is available as well for the automatic feeding of the carrier (substrate sheets).

‘On-the-fly’ registration – without mechanical sheet adjustment for the leading edge – suitable for high performances with good registration. The overlapping of the two sheets is adjustable. Before merging together both – top and substrate – sheet are aligned lateral.

Performances: up 10,000 sheets per hour, dependent on sheet length, with 2 operators.

Single face corrugated sheets could be processed with cross (lying) flutes. Not suitable combined with the pre-feeder available.



Sheet Laminator 'Fusion' Model SLOTF 7

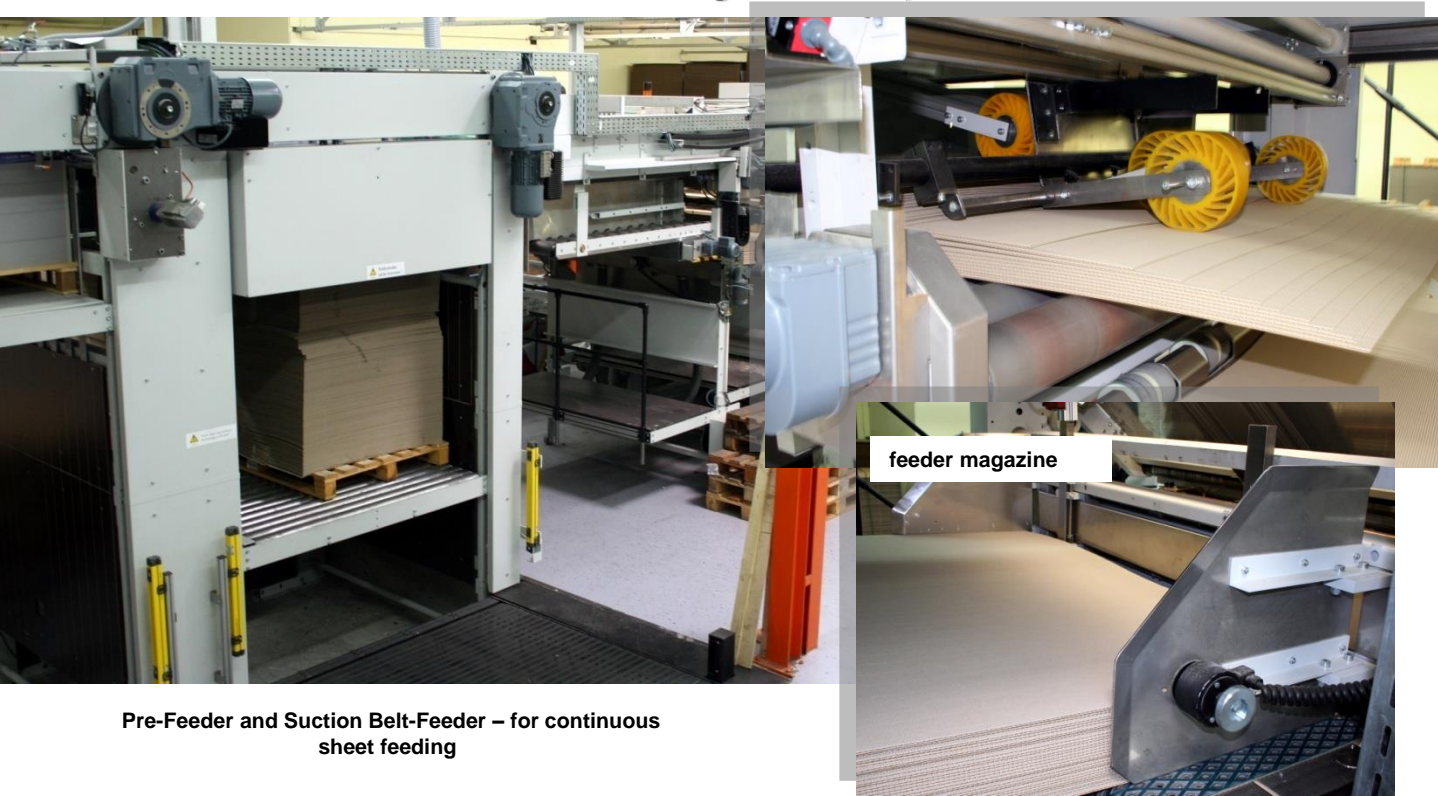


Sheet Feeder

All printed sheet feeder adjustments are motorized. Adjustment by pushing a push button by use of a position indicator.



Carrier (Substrate) Sheet Feeder with Pre-Feeder – suitable for single and double wall corrugated board, solid board



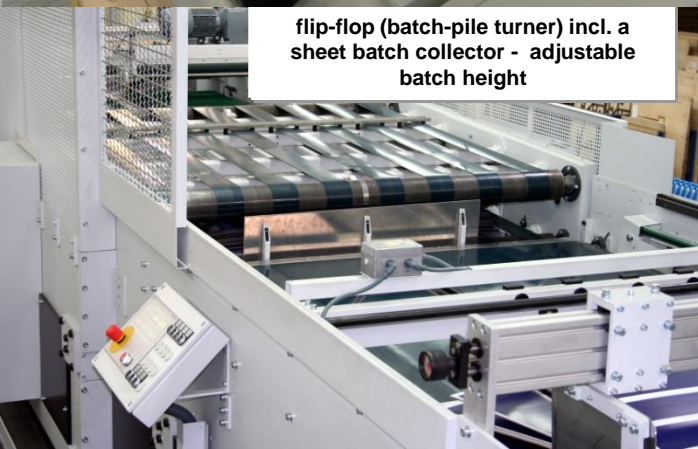
Automatic non-stop Sheet – Stacking System consisting of a Down-Stacker model 7 and a Flip-Flop model 8



sheet batch collector of the flip-flop



flip-flop (batch-pile turner) incl. a sheet batch collector - adjustable batch height



down-stacker with roller conveyor system – suitable for adjusting the position of the pallet in sheet direction

Features of the SLOTF – Machine

Laminating Machine Model SOTF 1

Fast and simple wash-up of the glue rollers with just the use of water, without auxiliary tools. Washing time: approx. 5 minutes. Water consumption: approx. 5 litres.

Equally effective and efficient for the production of small orders (display) and big orders (packaging). Attractive average unit cost, min. wastage, averaging of the glue consumption, etc.

'On-The-Fly'-mode: all parts necessary for a mechanically sheet adjustment are missing. The leading edge of the (substrate) carrier and printed sheets are detected optically and adjusted electronically. Ideally suited for one- or double sided laminations with high speed and meeting high requirements to the accuracy.

Suction – Feeder Model 4R

Integrated (magazine) hopper feeder for single sheet feeding. Continuously sheet feeding. Suitable for warped corrugated sheets as well. Manual pre-stacking of the sheet in the feeder magazine. Different feeders – back edge top sheet feeder etc. are available.

Pre – Feeder Model 4PF

Automatic pre-feeder for accepting accurate pallets of raw substrate sheets: single and double wall corrugated board, as well as solid board. Suitable for continuously sheet feeding. Automatic pallet change at a reduced speed. The sheets are fed in small bundles and get shingled into the feeder magazine.

Pressure Belt Model 5

For pressing the finished mounted sheets, especially for mounting single face corrugated with min. glue application. Stream delivery into the pressure belt. Single sheet feeding with limited speed possible.

Single Sheet Compression Section – Model 5E

Fast running pressure band for single sheet transport, especially for single face corrugated (laying flutes). The lower and the upper belt both are driven and guided lateral.

Printed Sheet Feeder Model 6

High speed back separation top sheet feeder with stream feeding. Equipped with a suction head, with lifting and forwarding suckers, driven by an independent servo motor. Conveyor table equipped a tape and transport rolls, without manual adjustment. Incl. a double-sheet detector and motorized set-up of the feeder by use of position indicators.

Pull lay for the lateral adjustment of the printed sheets.

Non-stop Down-Stacker Model 7

Suitable for the automatic, accurate piling / stacking of the mounted sheets to a pallet. Non-stop type. In case of getting warped sheets after the mounting process is recommendable to use an automatic flip-flop device (batch pile turner).

Roller conveyors for the pallet handling are available.

Non-stop Flip-Flop Model 8

For collecting warped laminated sheet in batches and inverting the sheet batches alternately. Consisting of a collecting unit and the inverting unit, non-stop type. Batch height: up to 120 mm.

3 different operating modes are possible: Alternately turning (inverting every 2nd batch). Turning each sheet batch. Without turning.

Fully automatic machine set-up SAFE.

Material savings: reduced overlapping between both sheets.

Technical data:

sheet width:	max. 1,640 mm / 2,050 mm
sheet length:	max. 1,640 mm, 2,050 mm is possible
carrier sheets:	from approx. 0.5 mm up to 7 mm thickness
printed sheets:	from approx. 130 up to 800 gsm
tolerances:	1 mm

Performance:

dependent on sheet length, material quality (sheet weight, stiffness, flatness, fibre and flute direction), operators qualification, state of machine, etc.:

– sheet length	600 mm:	up to 10,000 sheets per hour.
– sheet length	700 mm:	up to 9,000 sheets per hour.
– sheet length	1.000 mm:	up to 7,000 sheets per hour.
– sheet length	1.200 mm:	up to 6,000 sheets per hour.
– sheet length	1.400 mm:	up to 5,000 sheets per hour.
– sheet length	1.600 mm:	up to 4,500 sheets per hour.
– sheet length	2.050 mm:	up to 3,500 sheets per hour.

