

April, 2012

**Drupa 2012 in Düsseldorf, from May 3 – 16, 2012, Hall 11, Stand 11E22**



Sheet-to-Sheet Laminator model AHPL

STOCK has increased their range of laminators by an innovative series sheet-to-sheet laminator, with electronically controlled sheet registration for meeting the highest demands for laminating accuracy and productivity. The model AHPL-laminator with its 'On-The-Fly' registration (electronically set-up of the sheet overlap) and an additional mode with still mechanical sheet registration is suitable for laminating all materials usual, edge to edge, for the production of POP boxes, display, puzzles etc. with high speed and accuracy. The basic machine concept of the AHPL-machine will be shown at our stand during Drupa in Düsseldorf.

Special gluing and laminating unit with performances up to 10,000 sph are possible with good registration. Without the use of mechanical front stops there are no more impressions (markings) to the front edge of the sheets, neither for the first lamination process nor for the counter lamination. Manual adjustment – requiring time for the adjustment of the front stops – is eliminated. Optional the machine can be equipped with a pre-feeder for the automatic non-stop substrate sheet feeding. Furthermore the machine shows a unique characteristic: single face corrugated sheets could be processed with lying (crossways) flutes. With the same machine just changing the production mode it is possible to stop and register the sheets at their front and side edge (mechanical registration system) for a high laminating accuracy with lower suction head it is performance. The largest format is capable of processing a maximum sheet size of 2,050 x 1,510 mm and able to run at speeds up to 9,000 sph.

The machine is distinguished by solid construction, modular design, high laminating accuracy, short set-up times – a fully automatic format set-up is available, little maintenance, operating comfort etc.

Special features of the AHPL-machine:

- single face corrugated sheets could be processed with lying flutes (with restrictions)
- state-of-the-art computer control system with touch-screen panel for machine operation (Siemens)
- mechanically & electronically sheet registration
- 'On-The-Fly' / 'HP' – registration including lateral sheet alignment of the printed sheet:
  - electronic set-up of the sheet overlap, high accuracy at high performances (up to 10,000 sph)
  - no more impressions (markings) to the front edge of the sheets – neither for the first lamination process nor for the counter lamination (2<sup>nd</sup> lamination process)
- machine can be equipped with a pre-feeder for the substrate sheets
- short set-up times; minimum waste for set-up; computerized format set-up available
- maintenance-friendly; remote maintenance (by Ethernet connection)
- suitable for one-sided or even double-sided laminations with high register and performance



LithoLiner – Inline Laminator

The newest edition to the Stock family of machines is the high-end reel-to-sheet laminating machine. This machine was carefully studied and went through several stages of development to achieve what is expected from the Stock company. The machine is equipped with the newest technology and is designed for a speed of up to 200 m/min. and equipped with a fully automatic set-up. The machine is working with a fully integrated 'On-The-Fly' registering system for the printed sheets which enables customers even to use thinner papers as top printed sheets. Additionally available are options like a substrate sheet feeder for sheet-to-sheet laminations (for single and double wall or double face corrugated sheets etc.), a reel-to-reel option for either laminating a pre-printed liner to a single face web or producing double face corrugated with a 2<sup>nd</sup> gluing unit. With a simple modification to the down-stacker the machine could be used for single face sheets production including the automatic stacking of the single face sheets to a pallet. The machine could be used for roll-to-sheet or inline laminating.

All new electronically controlled machines are suitable to laminate lower paper weights (grammage) from the top.

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