

AUTOBOND

Laminating Machinery

Autobond Mini T 52 x 74 Laminator



Laminator

Maximum sheet size 52x74cm. This machine is a single sided, thin film thermal laminator with a perfecting option. The laminator is of heavy-duty construction, using 30mm steel side plates with 150x80mm steel support beams. The roll of film is mounted on a quick-change airshaft with film tension controlled by a pneumatic brake. The film roll has a trim slit and perforating mechanism. The rollers are heated with a sophisticated Swiss made temperature control unit. There are two laminating rollers; a highly polished 240mm diameter chrome roller, and a 150mm diameter rubber roller. These are pneumatically adjustable up to 6 metric tonnes on the nip. The temperature control unit pumps very hot water into the chrome roller at a rate of 22-litres/minute and immediately back to the TCU for re-heating.

Feeder

The Mini T is fitted with a bottom separation, continuous suction feeder with a Heidelberg-Stahl suction drum. A three phase Becker pump is used to blow air down the side lays. The air inflates the pile from the bottom and sides, allowing the sheets to float on a bed of air. The suction drum feeds the bottom sheet forward at speed into the laminating nip where it meets thermal film. The feeder is continuously replenished with sheets top loaded on the run, every three to four minutes, thus providing continuous feed.

Sheeter

The Autobond bump sheeter runs in line. Features include a digital sheet counter, an adjustable anti curl bar, pneumatically adjustable in feed nip rollers and a pneumatic air clutch to give a constant tension between the laminator and the sheeter. Start/stop and speed up and down controls are located at the jogger end.

Maximum speed is 30 metres/minute, 2,500 sheets per hour. Electrics are three phase 380-415 v

Electronics

The machine is fitted with a Seimens' programmable logic controller, which controls all machine functions. All drives are digital AC inverter drives.