

NEOLT Shield / NEOLT NEOLAM

Pneumatic roll laminators

The NEOLT SHIELD / NEOLAM laminators combine innovation, versatility and performance with low investment costs and offer additional options such as a heater for a 50° heated top roller or a set for roll-to-roll work. This enables a wide range of applications from vehicle labelling, packaging, displays and signs to interior design and outdoor advertising.

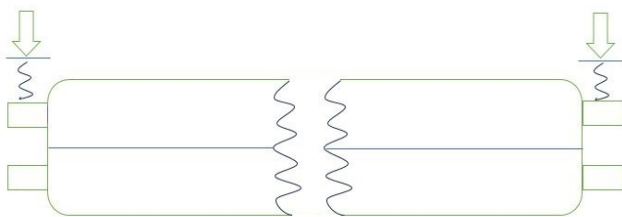
The "heart" of every laminator are the rollers!

They must be even, parallel and have the same pressure on both sides. This is the only way to ensure safe and high-quality work!

Why is pneumatic roller pressure crucial?

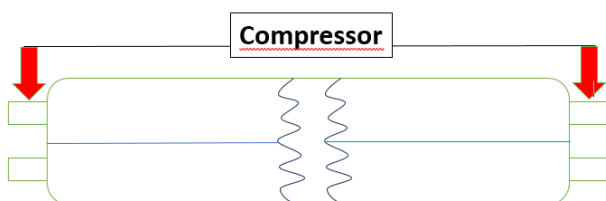
The pneumatic function reduces set-up times and simplifies operation.

Above all, pneumatic pressure ensures identical pressure ratios on both sides of the roller system and therefore absolute straight running and crease-free lamination, even with longer run lengths or when working from roll to roll.



Mechanical and electrical printing systems

The contact pressure of the rollers is generated separately on both sides via springs, even with centralised pressure adjustment. Even slight differences in the setting, especially after "fatigue" of the springs, result in different pressure conditions. This makes it impossible to achieve perfectly straight running with longer barrel lengths. It can also lead to wrinkling.



Pneumatic pressure system

The contact pressure of the rollers is always identical on both sides, as the same set pressure is generated at every point in a compressed air circuit. The pressure is transmitted directly to the upper roller via compressed air cylinders.

Advantages of the pneumatic roller pressure system:

- **1 compressed air system = always the same pressure on both sides**
- **absolutely straight running even with long running lengths**
- **infinitely adjustable roller pressure**
- **Pressure can be adjusted before starting without material**
- **Extremely simple operation**