Essential Benefits of Bandmotion Feeders

Bandmotion is a team of professionals with more than 25 years of expertise in developing and manufacturing high-end Servo Feeders in Switzerland. Bandmotion AG designs and builds state-of-the-art feeders with significant advantages for end-users.

Bandmotion feeders operate with two pneumatic cylinders and four very solid linear precision guides to lift and guide the upper roller during pilot release. This technology guarantees a stable, torsion-free and balanced press-force between the lower and upper rollers.

Broad and heavy-duty feeders have the linear guides and pressure cylinders arranged in such a way, that common deflection and twisting forces will be evenly balanced in the pressing unit.

With the two-cylinder technology, the total air volume is distributed evenly into two individual cylinders with smaller air capacity.
Thus, each cylinder can be ventilated and de-ventilated quicker and as a result, the system can achieve very high pilot release rates.

This technology eliminates any rocker systems and the rollers can be exchanged in a short time and without disassembling the feeder.

Due to this clever two-cylinder design, the travelling distance during pilot release can be adjusted upwards and downwards.
This is a great advantage, especially when feeding very soft materials into the press or to avoid damages on hard coated rollers while operating the feeder without materials in-between the rollers.

The Bandmotion roller system is a clever 3-piece design and the roller ends can be detached from the center part. This allows a fast and economic replacement of worn parts only, instead of replacing the whole roller.

The newly designed pneumatically operated brake system during (emergency) stops, applies the braking force directly to the axis of the roller and not to the motor that might generate unnecessary heat and can lead to wear and tear.

The encoder is mount to the motor and can be replaced easily if necessary. With slight modifications, third-party encoders could be used.