



BSR 550 Servo Rotary die-cutter with pallet feeder



In this configuration variant, products are fed to the punching area individually from the pallet feeder and rotary punched by using a flexible die.

The maximum stack height of the feeder is 100 cm. The sheet alignment on the side is performed with a register table with ball rail.

The position accuracy in the direction of production is realised with a positioner roller system that causes the sheets to pass the punching cylinder with high precision without stopping.

Inline configuration of the die-cutting machine with machines interfaced downstream such as folding machines, mailing systems and packaging machines is the most efficient way of carrying out multiple high-performance steps in one operation.

Automatic deflection of waste matrix and simultaneous separation of inner cuts increase production in addition.

The format range of the BSR 550 Servo is from 550 x 750 mm to 210 x 210 mm. Sheets having a product thickness between 0.5 mm and 80 g/m² can be processed. The maximum capacity of the machine is 12,000 sheets/h.



Technical details

Capacity	max. 12'000 sheets/h, 165 m/min (depending on format and quality)
Pallet feeder PA 550	stack height max. 1'000 mm
Feed	vacuum belt and ball rail, length 1'500 mm
Sheet positioning	2 pairs of position roller
Product rejection	for sheets which are out of the register tolerance
Upper/lower tool admission	magnetic cylinder for flexible dies
Punch cylinder circumference	813 mm / 32"
Clearance	1,2 mm / with counter plate 1,0 mm
Exit height	1'100 mm
Working width	max. 550 mm
Sheet size	min. 297 x 210 mm, max. 550 x 750 mm
Die-cutting size	min. 55 x 65 mm, max. 530 x 730 mm
Sheet execution	vacuum belt and roller strips
Product thickness	min. approx. 80 g/m ² , max. approx. 0,5 mm
Stripping station	stripping elements with integrated rollers and air blast (partially timed)
Transportable with	rollers
Space requirement	approx. 5'100 mm x 1'700 mm (L x B)
Weight	approx. 3'640 kg
Compressed air	6 bar (provided on site)
Display	touch screen
Drive	servo motors
Power supply	3 x 400 VAC / N / PE 50/60Hz / 32A (CEE)
Control voltage	24 Volt DC
Electrical capacity	16 kW