

Corrugated box conversion, presented the right way.



Cardboard

Solutions for all types of corrugated cardboard

4 Colors

High quality flexographic printing

CMYK

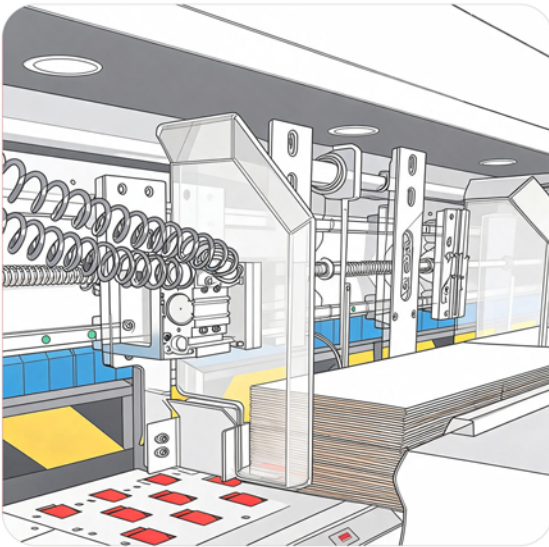
100 pcs/min

Design speed on selected models

BS-ECO is an automatic printer die cutter with slotter attachment aimed at practical carton production needs, offering printing, slotting, and die cutting in a more economical machine configuration.

RAW MATERIAL

corrugated board and flute compatibility



The BS-ECO line is presented here for single-wall corrugated cardboard sheets, also called 3-ply board: one fluted medium between two linerboards. This is the standard format for a wide range of shipping cartons, printed transport boxes, and many die-cut corrugated packs.



*supports 3-ply single-wall corrugated sheets across common flute profiles depending on box specification and production requirements

Maximum Thickness is **13mm**

FLUTE TYPE	APPROX. THICKNESS	TYPICAL USE VALUE
A flute	About 5 mm	High cushioning and good stacking support
B flute	About 3 mm	Good crush resistance and common transit packaging
C flute	About 4 mm	Balanced strength and cushioning for general use
E flute	About 1.5 mm	Finer profile with a smoother printable surface
F flute	About 1 mm	Compact, fine flute for light retail-style packs

Corrugated Flute Types

E Flute
1.1-2 mm



B Flute
2.5-3 mm



C Flute
3.5-4 mm



A Flute
4.5-5 mm



BC Flute
6-7 mm



AB Flute
8-9 mm



BE Flute
3.6-5 mm



PRINTING

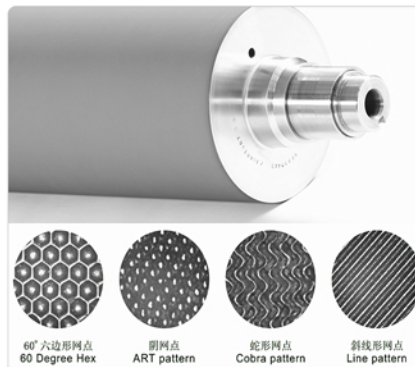
Lead Edge Feeder Integrated with Printer

Integrated Printing Unit

- Steel material, surface grinding and hard chrome plating.
- The gap between the printing pressure roller and the printing roller, the scal shows, adjusted by hand, the scope is 0-12mm. Adopt crosshead device, the transmitting gear will keep meshing while adjusting.
- Surface adopts the advanced hard chrome plating, hard, slipper, and wear-proof.
- The middle and high of the rubber roller grinding, good transferring ink effect.
- The upper roller: equipment with left and right adjustable wheel, hard chrome plating.

Flexographic printing is a relief printing process using flexible plates mounted on rotating cylinders. Ink is measured by the anilox roller, transferred to the printing plate, and then applied onto the corrugated sheet as it moves through the press.

Customizable Anilox Rollers



Printing Plates Used

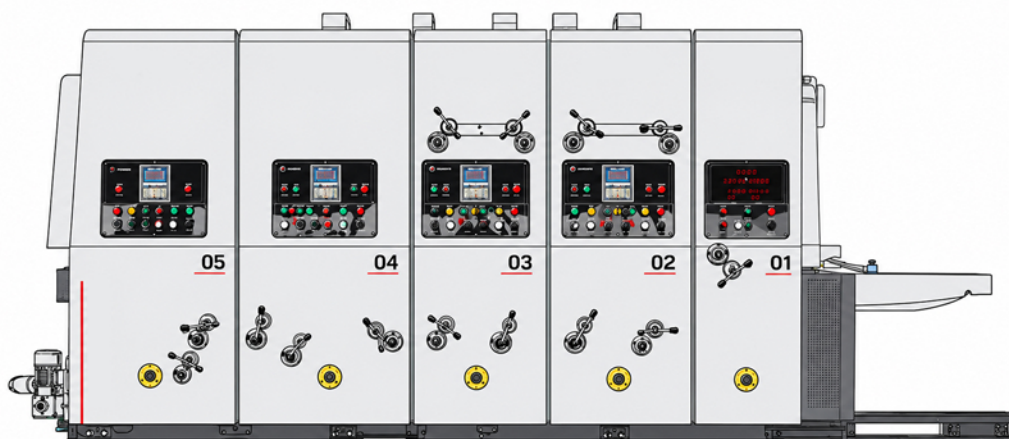
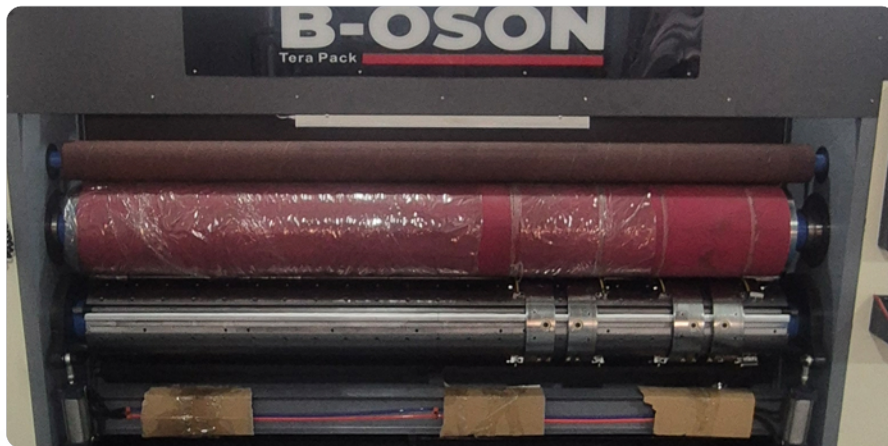


MACHINE SECTIONS

Slotting and Die Cutting Mixed

Die Cutting Unit with Slotter Attachment

- The pad roller adopts a mechanical cam groove movement (40mm) structure. Can move 40mm left and right.
- The gap between the rubber pad roller and the die roller is controlled manually, the paper feeding stops, the soft roller rises mechanically, and returns to the working position when working.
- Die mould slotting unit, no need to make the die mould when making normal box, saving cost and improved efficiency.



SPECIFICATIONS

BS-ECO technical information

MODEL	BS-ECO920	BS-ECO922	BS-ECO1224	BS-ECO1228	BS-ECO1428
Maximum paper size	920x2000mm	920x2200mm	1200x2400mm	1200x2600mm	1400x2600mm
Minimum paper size	300x680mm	300x680mm	350x680mm	350x680mm	430x680mm
Maximum printing size	920x1800mm	920x2000mm	1200x2200mm	1200x2400mm	1400x2400mm
Design speed of machine	120pcs/min	120pcs/min	120pcs/min	100pcs/min	100pcs/min
Economic speed of machine	0-100pcs/min	0-100pcs/min	0-100pcs/min	0-100pcs/min	0-80pcs/min
Printing paper type	A.B.C.E.A/B.B/C and A/B/C flute (The maximum gap is 13mm)				
Printing plate thickness(plus cushion)	4.8-7.2mm				
Diameter of printing roller(including printing plate)	300mm	300mm	405mm	405mm	480mm
Standard printing thickness	1.5-12mm				

ADDITIONAL INFORMATION

Other architecture

Die Cutting Molds

Rotary die cutting for corrugated packaging commonly uses cylindrical wooden dies carrying the cutting rule pattern. This makes it easier for a client to understand that the machine supports repeated industrial shapes, not only straight-line cutting.



Mechanical Control

- Full control of your machine
- Simple and intuitive set-up
- Manual Control of the units



Chinese Parts

The electrical section is equipped with high-grade Chinese components, ensuring stable performance, reliability, and long-term durability.



9 meters

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