

# BX MOTION PRO

Short-run Autobox Corrugated Boxmaker for single, double and triple wall boxes. Selectable tool configurations.


Adaptable to specific production needs.

- From E-flute up to AAC-flute
- Set-up time < 60 seconds
- Over 50 FEFCO box styles
- Digitalprint across the complete format
- Automatic loading and stacking
- Inline glue strip application

MODULAR +  
MULTI-  
FUNCTIONAL  
DESIGN



**KOLBUS**  
BOXMAKER



# **BX** The ultimate **MOTION** shortrun, quick set **PRO** Boxmaker

## Basic equipment

- Copilot System with touch screen
  - Choice of production mode
  - Job memory
  - Operator guided production change
  - Automatic format change
  - Product counter (job, shift and start/stop counter)
  - Indication of machine and material flow malfunctions
  - Operator-guided fault diagnostics
- Copilot set up of the machine fully automatic and without tools
  - Programmed automatic adjustment for improved operation
- Servo-controlled drive technology
- Remote Service Gateway, model RSG 800  
For optimum production support via KOLBUS  
24h Remote Service
- Safety standard in accordance with EC directives and standards

## Optional equipment

### Infeed/ Feed section

- Trolley to support the feeding of corrugated board
- Automatic feeder BX 2600 / F

- **Customised short run boxes made from single, double and triple corrugated board with optional digital print and inline gluing**
- **Modular design: each module can be individually adapted to specific customers requirements, including the sequence of individual processes**
- **Transport rollers and tools are positioned automatically according to FEFCO code and format**
- **Automated adjustment of all creasing/cutting tools on the horizontal axis for precise positioning**

## Creasing tools for

- **Corrugated cardboard sheets up to 5 mm thickness\***
  - Creasing tool Ø 100 mm  
(Top crease, bottom crease roller)
  - Pneumatic controlled stroke of the creasing tool
  - 1-point and 2-point creasing tools
- **Corrugated cardboard sheets up to 10 mm thickness\***
  - Male / Female creasing tools Ø 100 mm
  - Motor-controlled stroke of the Male creasing tool
  - Preset material-dependent creasing depth, as well as correction option by entering correction values
  - Single and double crease
  - 3-point creasing
- **Corrugated cardboard sheets up to 16 mm thickness\***
  - Male / Female creasing tools Ø 180 mm
  - Motor-controlled stroke of the Male creasing tool
  - Servo-controlled drive of both creasing tools
  - Preset material-dependent creasing depth, as well as correction option by entering correction values
  - Single and double crease
  - 3-point creasing

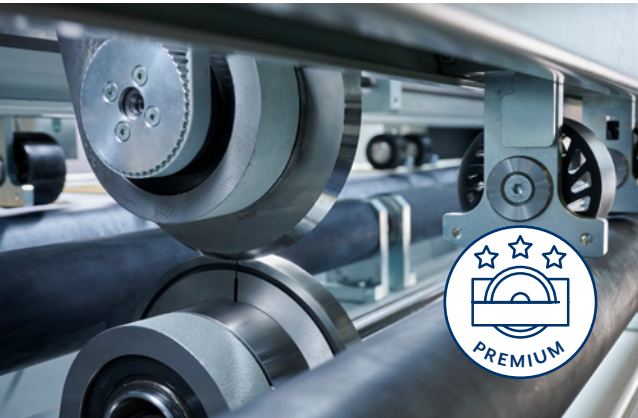
## Line cutting tools for

- **Corrugated cardboard sheets up to 5 mm thickness \***  
Line Cut Ø 100 mm, Bottom brush roller
  - Driven brush roller as counter cut and passively driven line cut
  - Pneumatically controlled lowering of the cutting tool with adjustable pressure for different requirements
- Knife notched / knife perforated
- **Corrugated cardboard sheets up to 10 mm thickness \***
  - Shear Cut Ø 100 mm
  - Driven counter-blade and passively driven blade
  - Pneumatically controlled lowering of the cutting tool with adjustable pressure for different requirements
- Knife notched / knife perforated

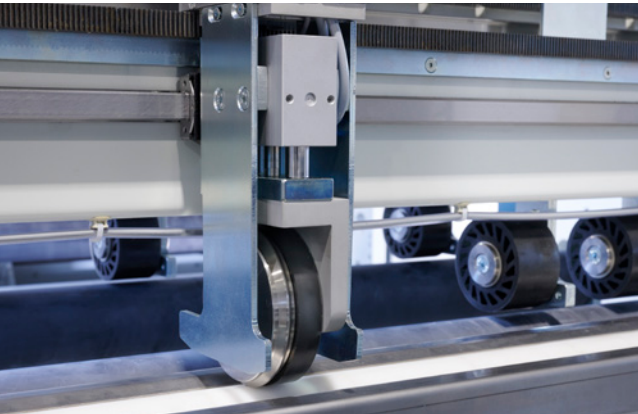
\* depending of paper quality



Crease standard, Bottom Crease and Line Cut



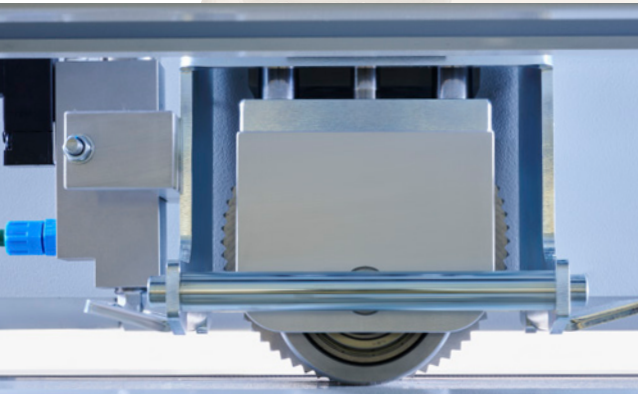
HD Shear Cut



Top Inline Crease



HD Crease Male/Female



Cross Cut + Glue Flap Crush + Nozzle Gluer

### HD Line Cutting

- Corrugated cardboard sheets up to 16 mm thickness\*
  - HD Shear Cut Ø 180 mm
  - Servo-controlled drive of both creasing tools
  - Knife notched

### Edge trimming

- Waste shredder, the side trim is shredded and transported out of the machine by means of hopper and cross conveyor belt
  - Automated adjustment of the two waste shredders
  - Waste shredder max. edge strip width 120 mm (wider formats also possible without shredder)
  - Material thickness up to 16 mm

### Inline Digital Printing

- Each print unit with 2 print heads, print head width 140 mm
- Up to 8 print units possible
- Resolution 360 dpi, monochrome
- Each print unit can be positioned individually and/or as linked heads to produce one larger image - additional colours are possible per unit
- Set-up time per job < 60 s
- SEIKO certified black colour II, further colours and cleaner
- Cleaning station for print heads outside of the module

### Cross cutting

Pneumatically controlled lowering of the cutting tool

### Nozzle Gluer for cold glue, model NG

- Automatic gluing of selected areas (gluing fold)

### Glue flap Crush

To reduce the thickness of the material in the area of the adhesive flap and for a more even stacking

- Independent pneumatically controlled lowering of the flap crush with adjustable pressure and transport slide
- Width max. 40 mm

### Die Cutting unit

For producing finger holes or contours with punching tools

- Automated adjustment
- Punching tool holder 200 x 200 mm

### Slotting unit

- Automated adjustment of the outer knife holder
- Maximum knife holder width = 500 mm
- Manual loading of the knife holders according to specification via the control panel
- Automated cross creasing and correction of creasing depth possible via touch panel
- Cross conveyor belt for waste

### Multi-Out

Device for the production of several corrugated cardboard blanks arranged next to each other in one pass

- Multi-Out double and triple (corrugated board blanks arranged next to each other)

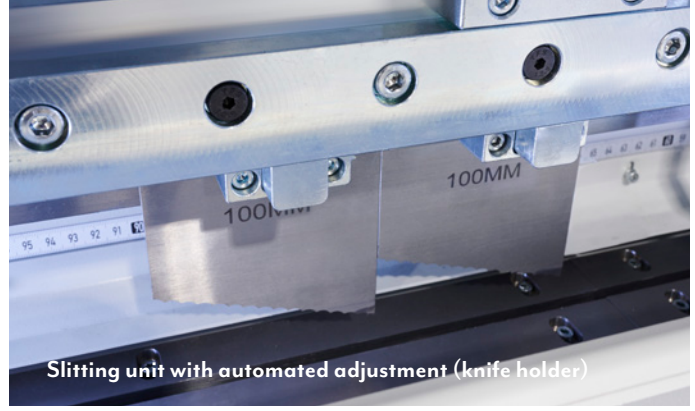
### Delivery

- Delivery table, collecting aid for stacking the finished products
- Stacker
  - Height max. 950 mm (including pallet)
  - Corrugated board length max. 3000 mm

*Further stacking systems on request*



Transport- and pressure rollers with automatic height adjustment  
Positioning format specific and according to FEFCO-type



Slitting unit with automated adjustment (knife holder)

### Technical data:

#### Format data BX 2600

- Sheet width min. 100 mm | max. 2600 mm
- Sheet length min. 330 mm | max. 6000 mm
- Blank material: max. 1800 g/m<sup>2</sup>  
Corrugated cardboard single, double and triple flutes
- Material thickness: min. 1.3 mm | max. 16 mm  
*att. to creasing and slitting tools*
- Slotting length: min. 100 mm | max. 700 mm
- Slotting width min. 7 mm and 10 mm

#### Machine dimensions

- 1 module (Depth x Width x Height)  
660 x 3608 x 1706 mm
- Infeed-/delivery: Height 950 mm
- Mechanical speed: up to 100 m/min  
Production speed and net output depending  
on material and format

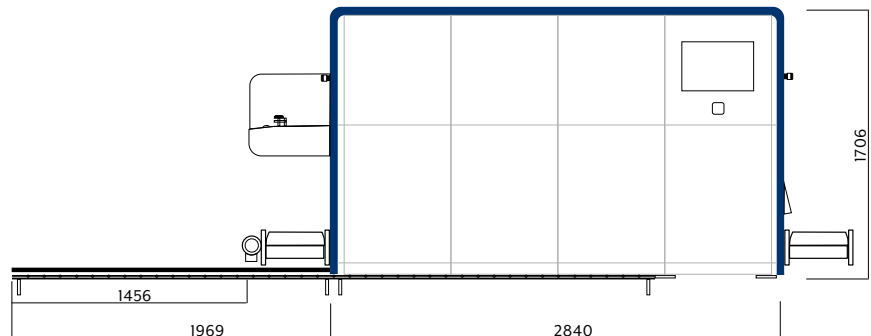
#### To be provided by the customer

- Compressed air requirement 10 Nm<sup>3</sup>/h
- Operating pressure 6 bar  
Compressed air supply extra sheet
- Electrical equipment 3 phases, 400 volt / N / PE, 50/60 Hz

#### Digital Printer Format data:

- Sheet width min. 200 mm | max. 2600 mm
- Print image width: up to 1120 mm  
with a total of 8 print units
- Position of the print image to the edge:  
Head ≥ 20 mm | Foot ≥ 20 mm | Sides ≥ 0 mm
- Max. speed of print heads 100 m/min.

#### Example: BX Motion Pro with 4 modules



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