

## HD-HD 143

HD-HD 143 three-knife-trimmer line – versatile and flexible with no compromises

The KOLBUS three-knife-trimmer line has been optimised to meet the demands of processing digitally printed products. Mechanically, it is based on the proven KOLBUS three-knife trimmers in the HD 143 series. The tried-and-tested mechanical design of these trimmers has been combined with automatic 3D format adjustment on the fly to produce a highly flexible system. The need to change the pressing block was eliminated.

- No tools required
- No exchangeable parts
- Dynamic servo-drive axes for continuous adjustment (zero make-ready) to changing product formats
- Copilot® system, multi-touchscreen

If the format stays the same and only the block thickness changes, the thickness is registered by the infeed roller. For 3D adjustment (thickness, length and width), incoming blocks are code matched and the relevant data are read in from the joblist.

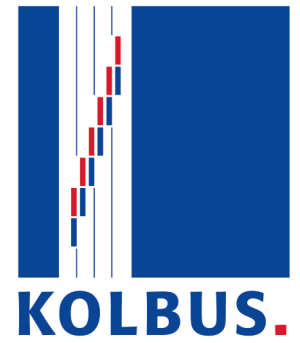
An infeed gate automatically feeds each block into the trimming cells once the axes have been repositioned for the required format. There are two trimming cells: the front is trimmed in the first cell, the product is lifted and delivered by a gripper and transferred to the second cell for side trimming. In this cell, the cutting table, the blades and the pressing blocks are automatically adjusted to the required format by means of precision servo-drive axes. Finally head and foot trimming is carried out for individual products with 3D format adjustment or varying block thickness. Maximum performance is 3,000 cuts/hour.

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*Voucher copy requested.*



In standard production without change of product format, the HD-HD 143 can operate at up to 8,000 products an hour.

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#### **TECHNICAL DATA**

Trimmed format range

(width x height x thickness)

max. 305 x 375 x 80 mm

min. 100 x 120 x 1.5 mm

Untrimmed format range

(width x height x thickness)

max. 320 x 380 x 80 mm

min. 120 x 150 x 1.5 mm

Press force: max. 10 kN

Waste strip width: max. 50 mm

Mechanical speed:

max. 3,600 cuts/h

*Net output will depend on the specific product format, material, variable formats, etc.*

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