

Flat Sheet Folder, Edition 2018

Type **Black Diamond** Multi-Purpose

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espriTech

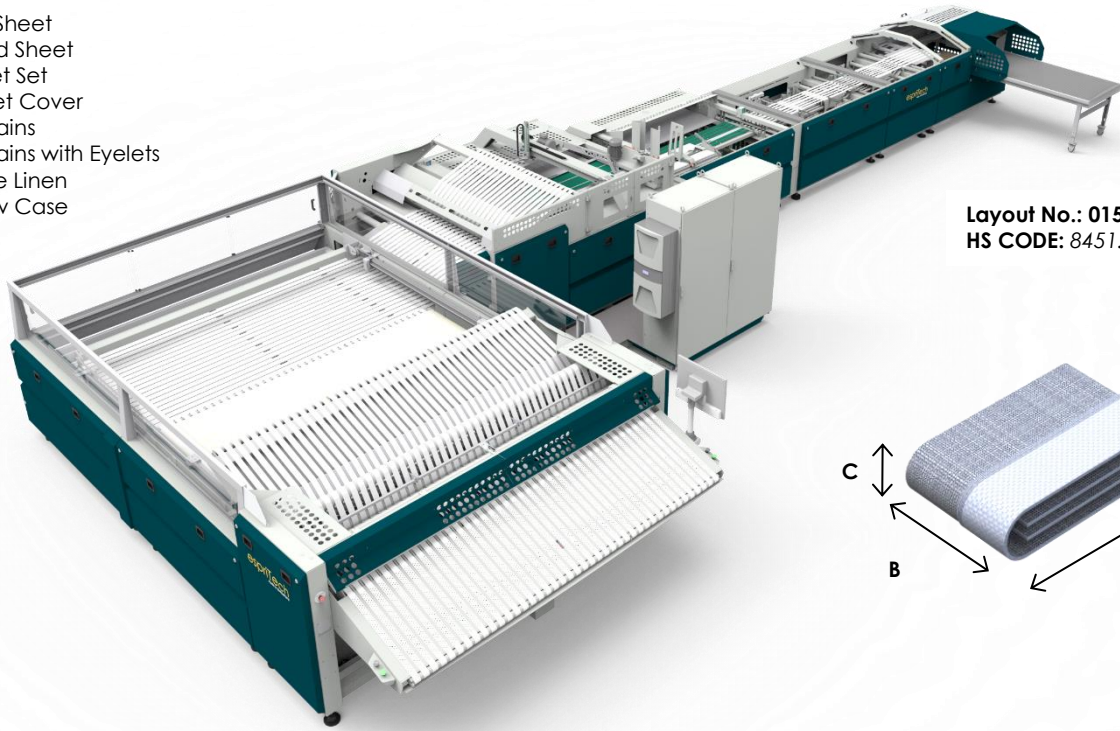
The **Black Diamond** Multi-Purpose folding machine is for the folding and stacking of flat sheets, fitted sheets, curtains, blankets and other flat fabrics - woven, non-woven, non-elastic flat pieces.

This installation is a stand-alone unit. The folding machine is able to work up various material types including cotton, sateen, mixture fabric, polyester/cotton and flannel.

The feeding edges of the pieces are shown as outside or as hidden inside folding.

The system is equipped with a cardboard inserting device for standard and book fold folding.

- Flat Sheet
- Fitted Sheet
- Sheet Set
- Duvet Cover
- Curtains
- Curtains with Eyelets
- Table Linen
- Pillow Case



Layout No.: 015785
HS CODE: 8451.5000

Feeding size:

(Additional sizes on request)

- W = 40"-120"/1000 mm-3050 mm
- L = 40"-130"/1000 mm-3300 mm

Folding size:

(Additional sizes on request)

- A = 6"- 18"/152 mm-458 mm
- B = 9"- 16"/228 mm-406 mm
- C= gusset up to 6"/152 mm

Folding pattern:

- Top fold (visible boarder)
- Inside fold (hidden boarder)

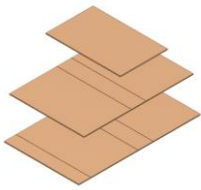
Production:

- Two operator for manual feeding
- Up to 500 pieces/h



Book fold
Boarder all around



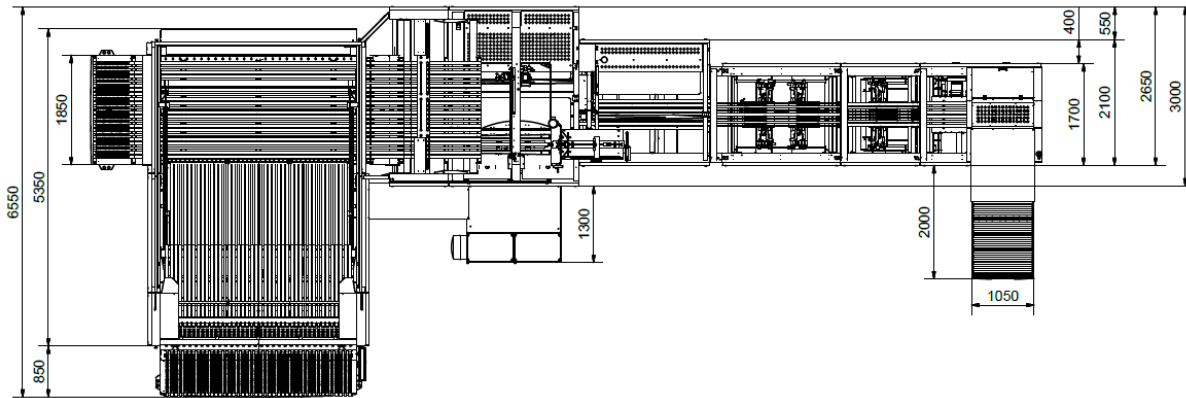
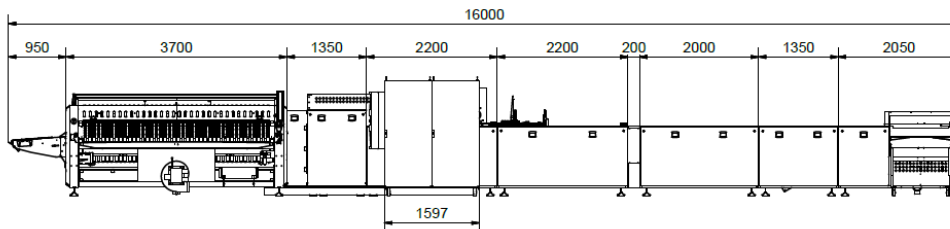


Cardboard types & sizes (Standard & book cardboard):

(Additional sizes on request)

- Maximum width 381 mm (15")
- Minimum width 152 mm (6")
- Maximum length 698 mm (27 1/2") + height of the gusset max. 152 mm (6")
- Minimum length 444 mm (17 1/2") + height of the gusset max. 152 mm (6")
- magazine load up to 405 mm (16")

All cardboards will be folded to the very inside of the fabric, non-visible



Technical data:

- 230/400 V 50/60 Hz, 3 phases/N/PE, approx. 20 A, 13 kW
- Compressed air 6 Bar/87 psi
- 820 l/min air consumption

Control system:

- Beckhoff TwinCat, PC- Windows
- 21" Touchscreen
- 40'000 program spaces
- Remote access (Internet)
- Cooling system integrated

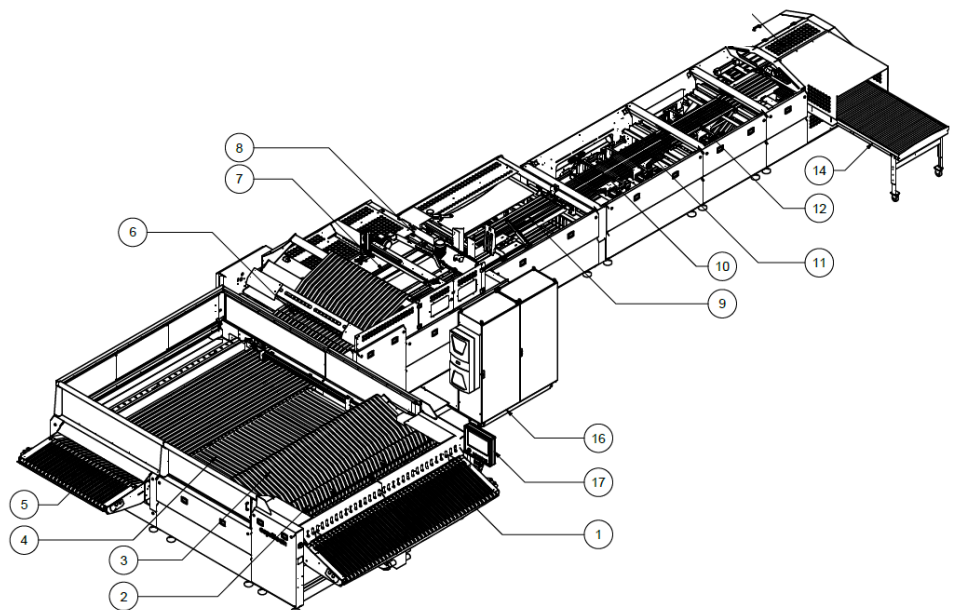
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|---|--|
| 1 Feeding station 1 | 10 Cross fold D |
| 2 Cross fold A | 11 Cross fold E |
| 3 Cross fold B | 12 Cross fold F |
| 4 90° Roll off system | 13 Online stacker |
| 5 Feeding station 2 (optional additional price) | 14 Stacking channel |
| 6 Cross fold C | 15 Safety light curtain |
| 7 Lateral folding station A | 16 Electrical control cabinet with cooling |
| 8 Cardboard inserter | 17 system Control panel |
| 9 Lateral folding station B | |