

## **Bravo-T Saddle Stitcher**

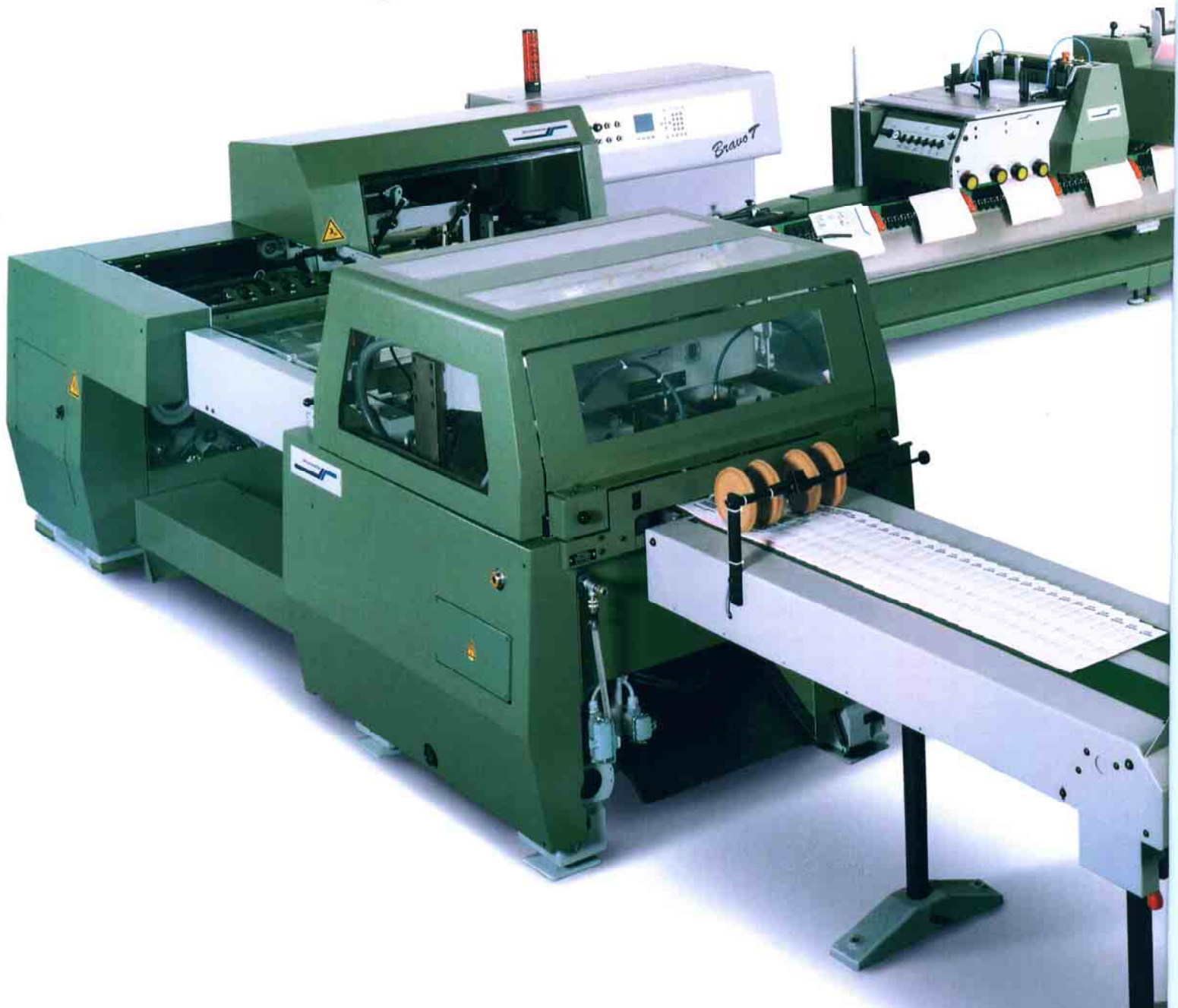
Unmatched efficiency  
and ease of operation from  
the Market Leader in  
Saddle Stitching

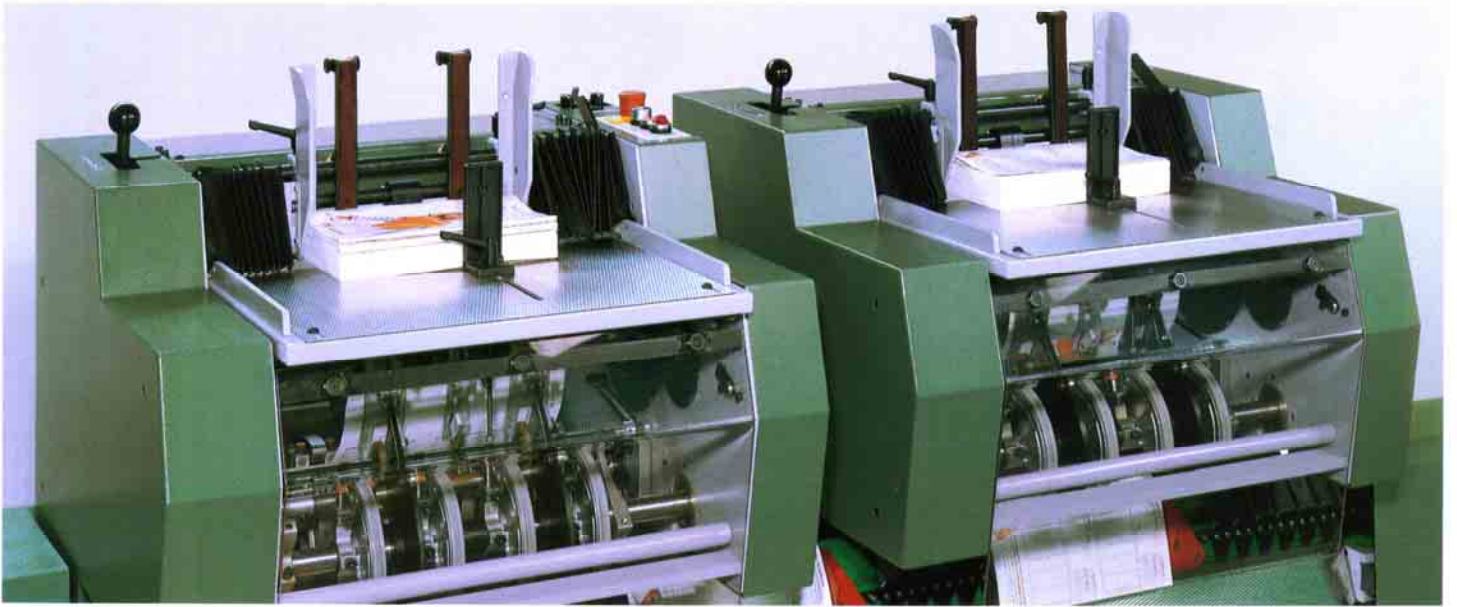
## Efficient Solutions

Muller Martini builds more saddle stitchers than all other manufacturers combined. From productive quick makeready machines for short-run operations through versatile mid-range stitchers to the most sophisticated systems in the industry, Muller Martini is the world's market leader in saddle stitching.

## Unmatched efficiency

The Bravo-T Saddle Stitcher produces up to 11,000 books per hour. All components - feeders, stitcher, three-knife trimmer and the optional compensating stacker work together to make the Bravo-T the most efficient mid-size stitching line. The Bravo-T can be expanded at any time to feed up to 14 signatures or 12 signatures with a cover folder feeder. PLC controls allow quick changeover on a menu-guided screen. The Muller Martini Bravo-T offers the best price-performance ratio of any saddle stitcher in its class.





### **Twin Feeder 1555**

The flat pile feeders have quick adjustments and are loaded from the front at a convenient height. They provide both vacuum and mechanical gripper opening to handle signatures with high and low folio lap as well as no lap. Feeders can be run in 1:1 and 2:1 mode and individually timed to the gathering chain. AirLoc leveling elements assure vibration-free running and less noise.



### **Folder Feeder 1529**

The folder feeder scores and folds products in line as they are fed around the drum. Fine adjustments can be made on-the-fly.

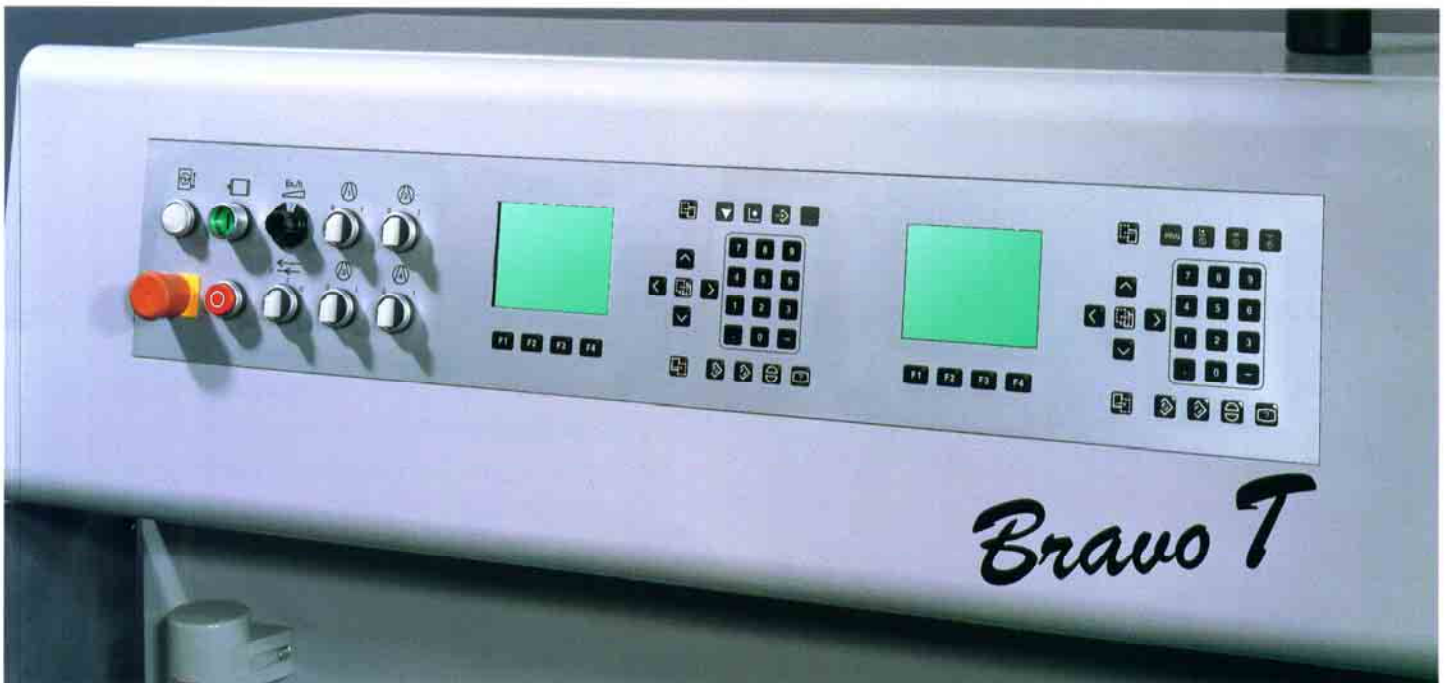




### Stitching Unit Model 380

Flying stitching heads stitch the books at chain speed to allow consistently high production without stop-and-go motion. There is a choice of standard and loop stitching heads as well as narrow stitching heads for

small size work. A built-in plus/minus caliper diverts incomplete copies into the reject tray. Positive transfer into the trimmer is assured by angular rollers. The stitch monitor and the oblique sheet monitor are optional.



### Controls

PLC controls permit menu guided set-up. The display shows all operating parameters in plain text in a choice of languages.

Option:

- Production data management system

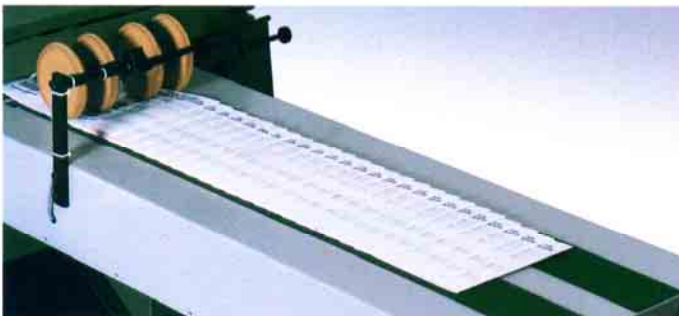


### **Three-knife Trimmer Model 449**

- Precise cut and long knife service life are guaranteed by the sturdy, wide knife guides and heavy-duty trimmer base.
  - Frequency controlled central drive
  - Face cut followed by head/foot and center cut
  - Register stops at both trimming stations for superior quality
  - Secondary alignment lever at head/foot trim station
  - Strong pressing for a clean cut
  - Head and foot cut-off adjustable on the fly
  - Settings by hand wheels with scales
  - Central thickness setting of the book transport
  - Automatic lubrication
- Option:
- Trim monitor with waste divert

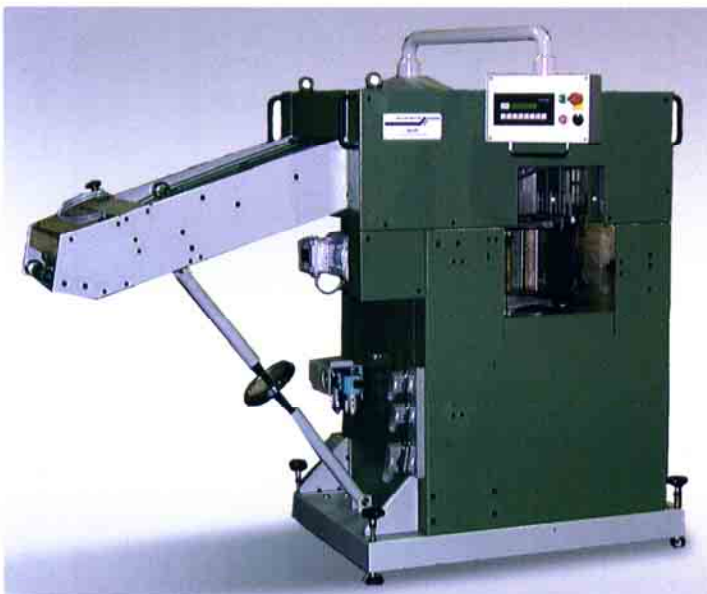
### **Three-knife Trimmer Accessories**

- Center-cut attachment for split and punch cut (installation and removal in less than 15 minutes).



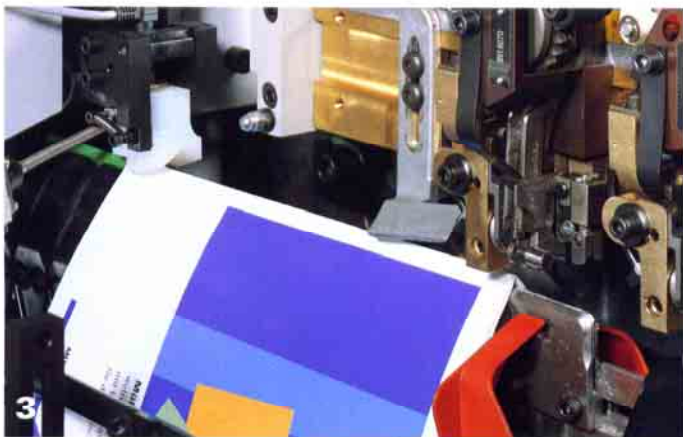
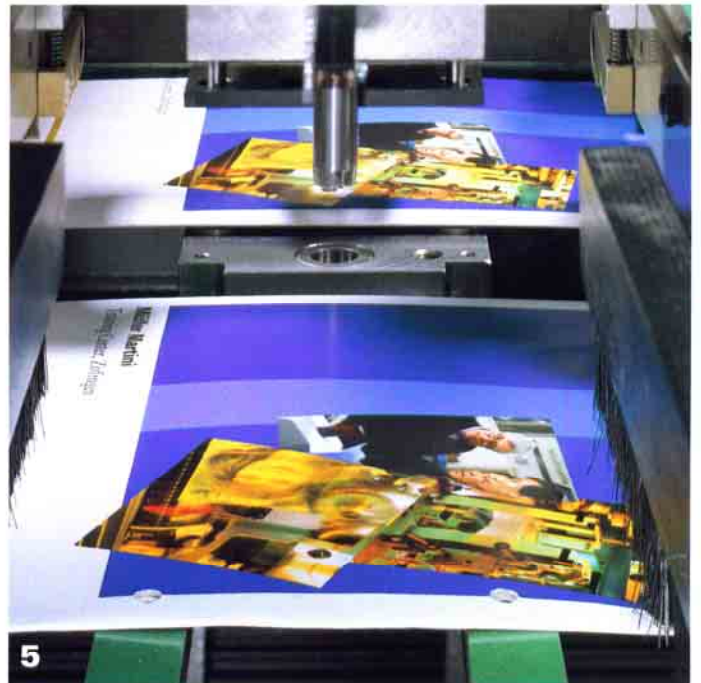
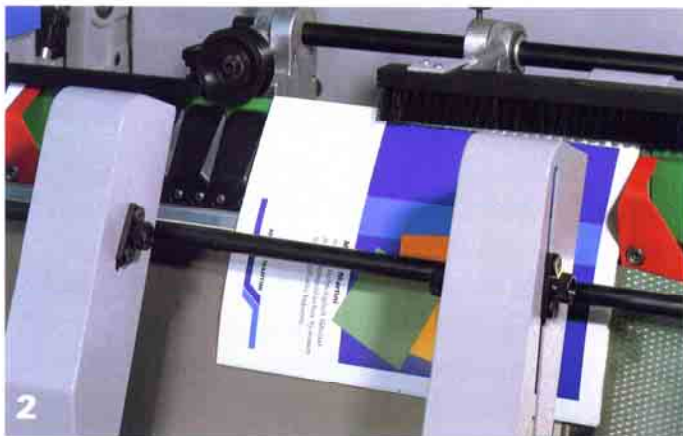
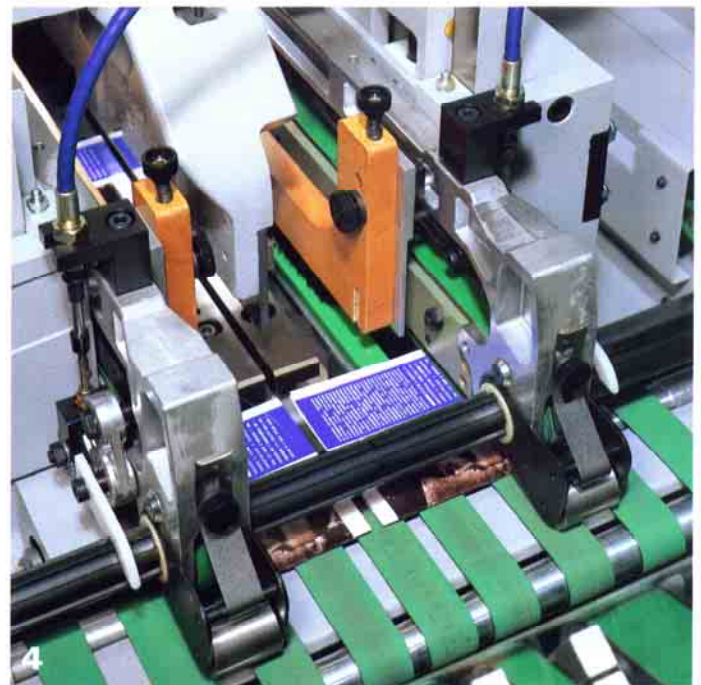
### **Shingle Delivery Model 1511**

- Universal delivery for running a wide variety of products
- Counter with shingle separation
- Automatic gap compensation



### **Apollo Compensating Stacker Counter**

- Low cost for fast ROI
- Labor saving
- Quick makeready with wrenchless adjustments
- 1-up or 2-up production
- Top-bin jogger assures neat, square layers
- Copies per layer and stack selectable by keypad
- Preselect number of copies in upper forks
- Top and bottom infeed belts for positive control
- Infeed driven by a speed-adjustable, DC motor
- Choice of delivery to the left or right
- Zip sort capable



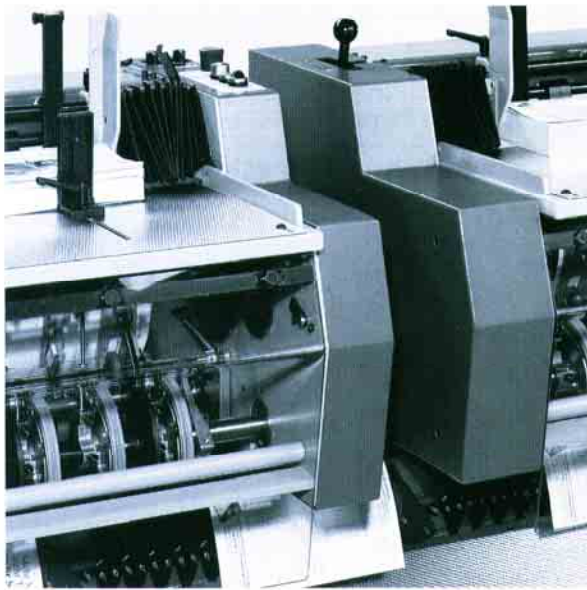
Options:

1. Hand-feeding station for one or two persons
2. Oblique sheet monitor
3. Stitch Monitor
4. 4th and 5th knife
5. Hole punching device for one, two, three or four holes

Bravo-T: an extremely versatile production system.

This brochure may show components that are not standard equipment and are available as options only. In some cases, protective covers in the photographs have been removed or opened for illustrative purposes. Design and equipment configuration subject to change.

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# Bravo-T Saddle Stitcher

## Specifications

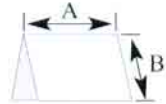
### Mechanical speed

Chain pitch 21" maximum 11,000 cycles per hour

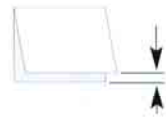
### Number of stations

maximum 14 feeders

### Product sizes, untrimmed



		A	B
with high folio lap	maximum	480 mm (18 <sup>7</sup> / <sub>8</sub> "	320 mm (12 <sup>5</sup> / <sub>8</sub> "
	minimum	110 mm (4 <sup>5</sup> / <sub>16</sub> "	115 mm (4 <sup>1</sup> / <sub>2</sub> "
with low folio lap	maximum	480 mm (18 <sup>7</sup> / <sub>8</sub> "	300 mm (11 <sup>3</sup> / <sub>4</sub> "
	minimum	110 mm (4 <sup>5</sup> / <sub>16</sub> "	125 mm (4 <sup>15</sup> / <sub>16</sub> "
without lap (vakuum opening)	maximum	400 mm (15 <sup>3</sup> / <sub>4</sub> "	300 mm (11 <sup>3</sup> / <sub>4</sub> "
	minimum	110 mm (4 <sup>5</sup> / <sub>16</sub> "	115 mm (4 <sup>1</sup> / <sub>2</sub> "
overlap	maximum	18 mm (1 <sup>1</sup> / <sub>16</sub> "	
	minimum	6 mm (1/4"	



### Book size, untrimmed

maximum 480 mm (18<sup>7</sup>/<sub>8</sub>" 320 mm (12<sup>5</sup>/<sub>8</sub>"  
 minimum 153 mm (6") 115 mm (4<sup>1</sup>/<sub>2</sub>"

### Stitching heads

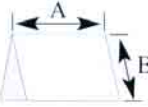

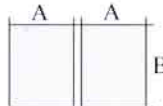


HK 75 maximum 6  
 HK 45 maximum 8  
 Eyelet stitching heads maximum 4

### Trim

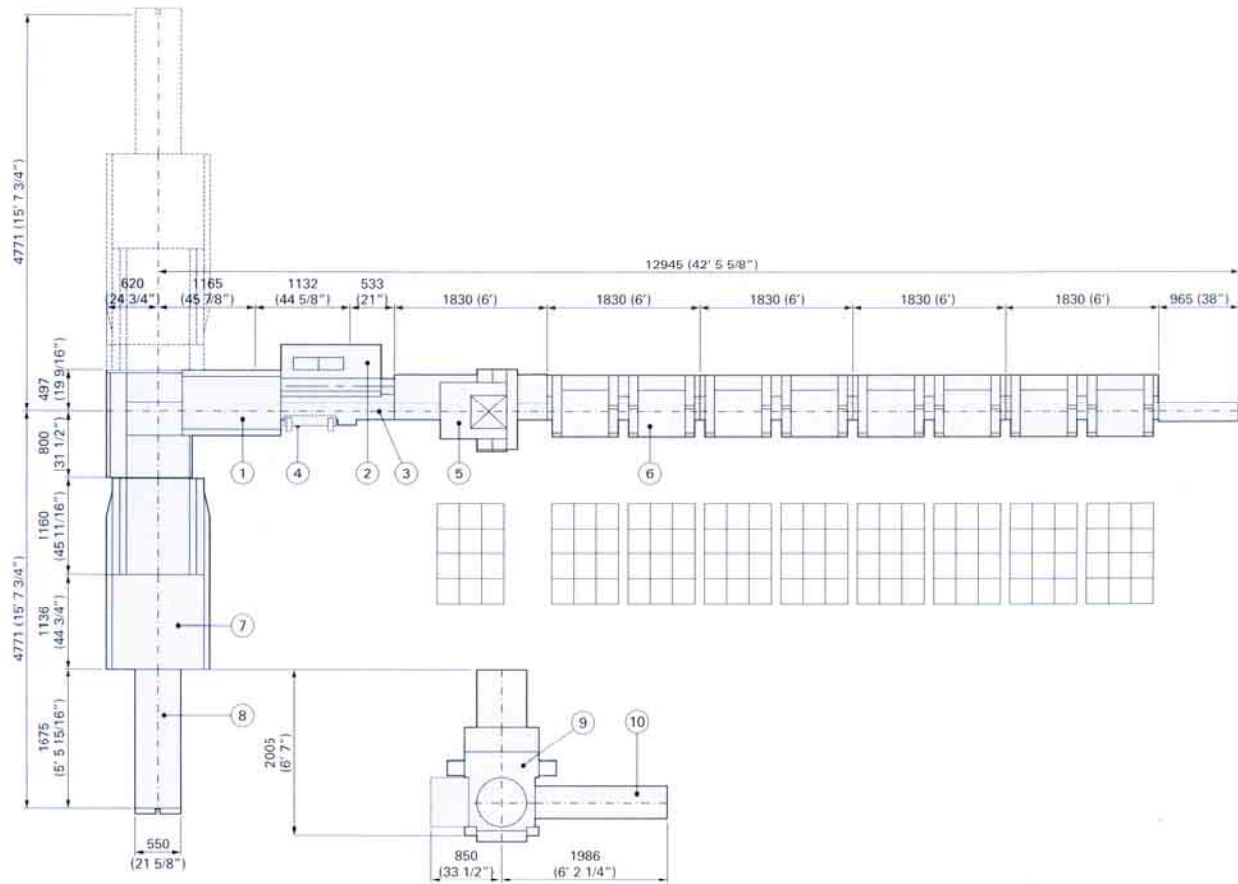
Head/foot trim maximum 50 mm (2")  
 Front trim maximum 50 mm (2")

### Product thickness

Standard maximum 10 mm (3/8")  
 Optional maximum 13 mm (1/2")  
 Center-cut maximum 6 mm (1/4")  
 Trio cut maximum 6 mm (1/4")

Product sizes trimmed		A	B
One-up production 	Maximum	standard	475 mm (18 <sup>3</sup> / <sub>4</sub> " ) 300 mm (11 <sup>3</sup> / <sub>4</sub> " )
		optional	475 mm (18 <sup>3</sup> / <sub>4</sub> " ) 305 mm (12")
	Compensating stacker	minimum	148 mm (5 <sup>7</sup> / <sub>8</sub> " ) 105 mm (4 <sup>1</sup> / <sub>8</sub> " )
		Small size	minimum
		optional	105 mm (4 <sup>1</sup> / <sub>8</sub> " ) 63 mm (2 <sup>1</sup> / <sub>2</sub> " )
Center-cut	Split cut 	maximum	237 mm (9 <sup>5</sup> / <sub>16</sub> " ) 300 mm (11 <sup>3</sup> / <sub>4</sub> " )
		optional	237 mm (9 <sup>5</sup> / <sub>16</sub> " ) 305 mm (12")
		minimum	95 mm (3 <sup>3</sup> / <sub>4</sub> " ) 75 mm (3")
		optional	95 mm (3 <sup>3</sup> / <sub>4</sub> " ) 63 mm (2 <sup>1</sup> / <sub>2</sub> " )
	Punch cut 	maximum	234 mm (9 <sup>1</sup> / <sub>4</sub> " ) 300 mm (11 <sup>3</sup> / <sub>4</sub> " )
		optional	234 mm (9 <sup>1</sup> / <sub>4</sub> " ) 305 mm (12")
		minimum	89 mm (3 <sup>1</sup> / <sub>2</sub> " ) 75 mm (3")
		optional	89 mm (3 <sup>1</sup> / <sub>2</sub> " ) 63 mm (2 <sup>1</sup> / <sub>2</sub> " )
Trio cut	Split cut 	maximum	153 mm (6") 300 mm (11 <sup>3</sup> / <sub>4</sub> " )
		optional	153 mm (6") 305 mm (12")
		minimum	90 mm (3 <sup>9</sup> / <sub>16</sub> " ) 75 mm (3")
		optional	90 mm (3 <sup>9</sup> / <sub>16</sub> " ) 63 mm (2 <sup>1</sup> / <sub>2</sub> " )
	Punch cut 	maximum	153 mm (6") 300 mm (11 <sup>3</sup> / <sub>4</sub> " )
		optional	153 mm (6") 305 mm (12")
		minimum	90 mm (3 <sup>9</sup> / <sub>16</sub> " ) 75 mm (3")
		optional	90 mm (3 <sup>9</sup> / <sub>16</sub> " ) 63 mm (2 <sup>1</sup> / <sub>2</sub> " )
Folder feeder	1529	maximum	480 mm (18 <sup>7</sup> / <sub>8</sub> " ) 635 mm (25")
		minimum	90 mm (3 <sup>9</sup> / <sub>16</sub> " ) 165 mm (6 <sup>1</sup> / <sub>2</sub> " )
Drive		7.4 kW, up to 14 feeders	
Pressure / vacuum pumps		Project-dependent	
Compressed air		6 bar, to be supplied by customer (project-dependent)	





## Bravo-T

- 1 Stitching machine 0380, delivery to the rear or front
- 2 Control cabinet
- 3 Gathering chain
- 4 Oblique sheet monitor
- 5 Folder feeder 1529
- 6 Twin feeder 1555
- 7 Three-knife trimmer 0449
- 8 Belt delivery 1564
- 9 Pratico compensating stacker 7524
- 10 Roller delivery, or belt section with air table