



Bravo-S Saddle Stitcher

Outstanding versatility
and production from
the Market Leader in
Saddle Stitching

MULLER MARTINI



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.

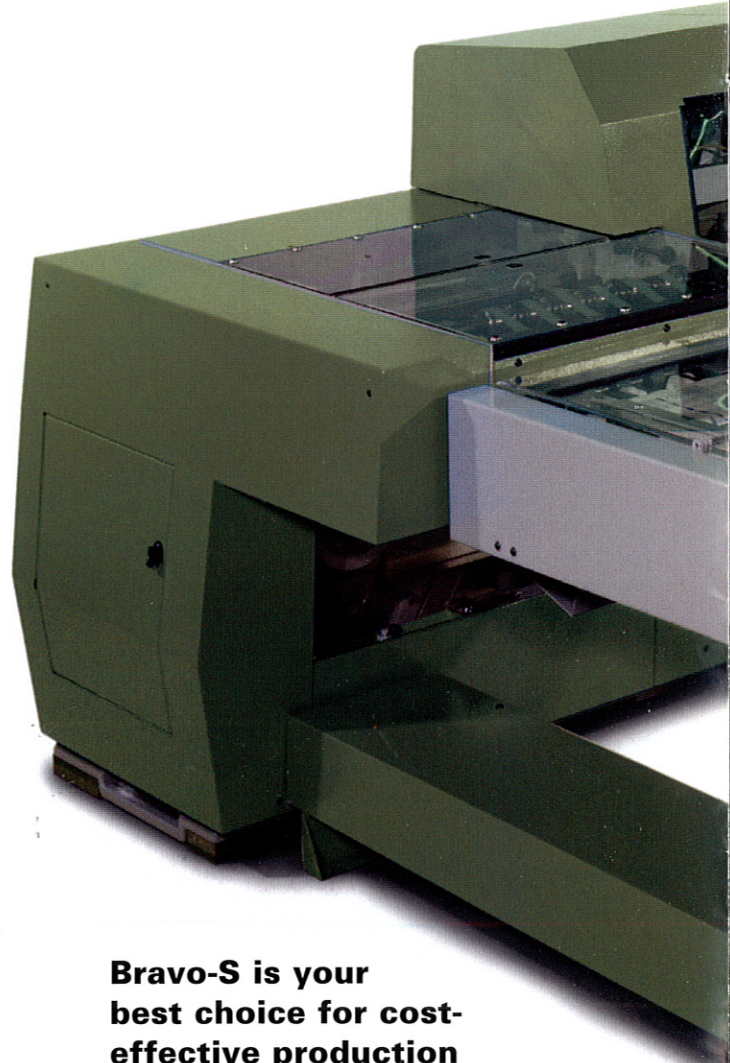
Bravo-S Saddle Stitcher for outstanding versatility

The Bravo-S Saddle Stitcher utilizes innovative technology for efficient processing of a wide range of work and product sizes.

The programmable memory control allows automated makeready from a central control station which significantly reduces set-up and changeover time.

Sequential start-up and runout minimizes waste at production start-up.

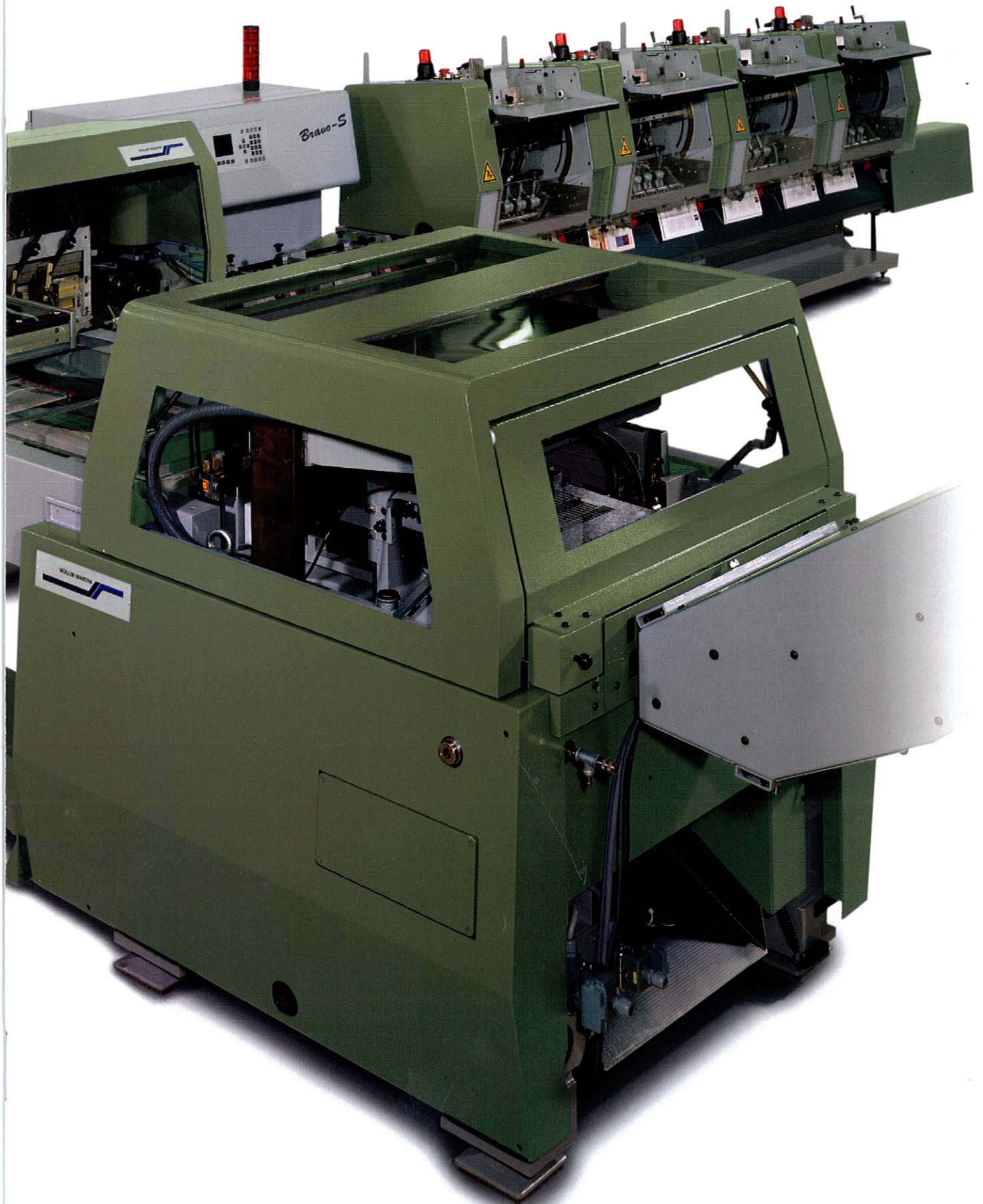
Configure the machine to meet your needs. All feeders, including folder feeders and card gluers are mounted on a universal base. They can be arranged in any sequence and moved around very quickly. Quality controls and in-line finishing save steps and increase your productivity. This results in the highest return on your investment.

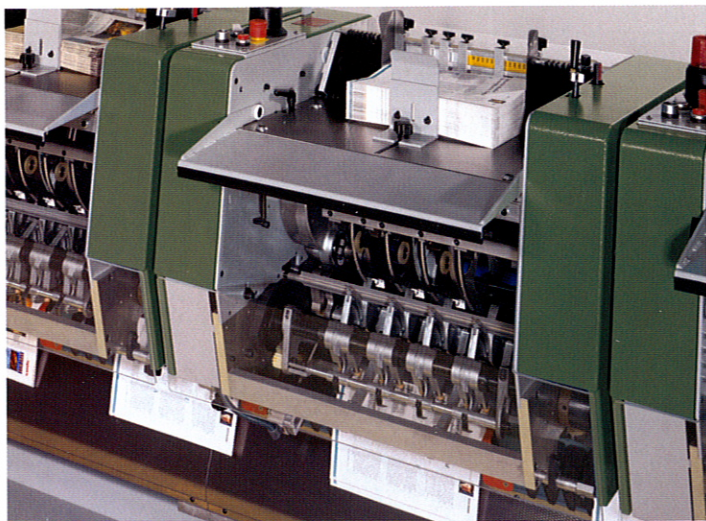


Bravo-S is your best choice for cost- effective production through innovative technology

Efficient and reliable production based on

- Quick makeready
- High net output
- Precise stitching
- Wide size range
- Automatic monitoring and controls
- Proven design



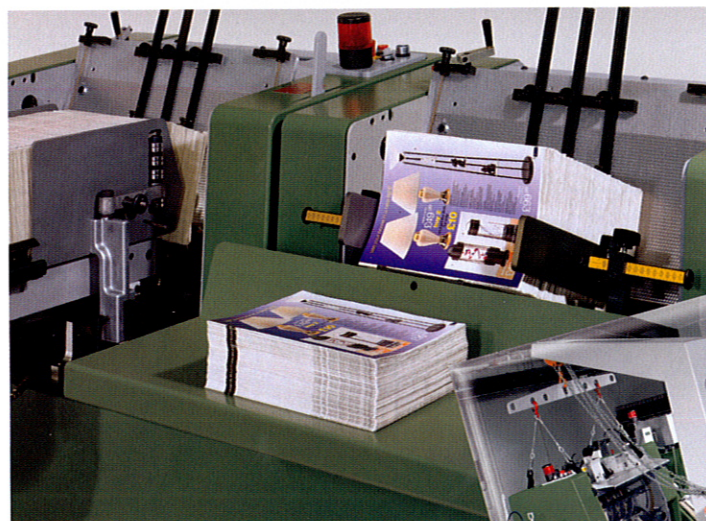


Flat pile and vertical pile feeder Model 370

- Choice of flat pile and vertical pile feeders
- Double gripper system for reduced signature speed
- Controlled placement of signatures on the chain
- High folio, low folio and suction opening
- Size adjustment for gripper and suction opening on-the-fly using hand wheel with scale
- Individual 1:1 or 1:2 operating mode
- Sequential production start-up and run-out
- Automatic lubrication

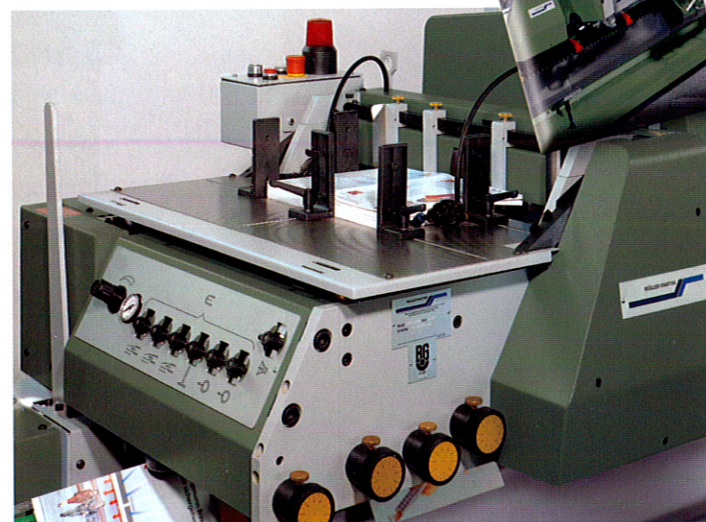
Options:

- Accessories for small-size products
- Asir II (automatic signature image recognition) for flat pile feeders
- Stream feeders and bundle loaders



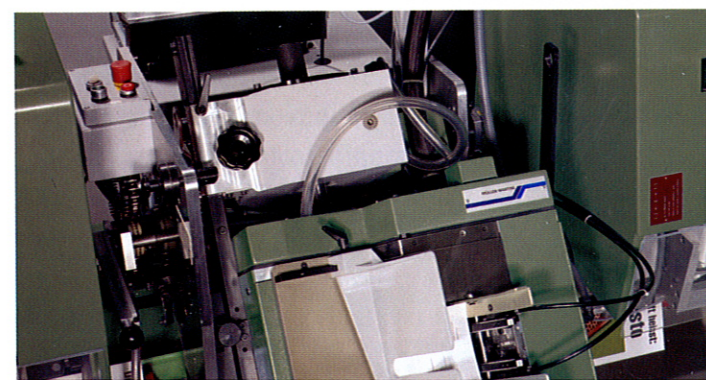
Movable feeder heads

Signature feeders, card and cover folder feeders can be moved around very quickly. This concept ensures greatest production flexibility and maximum customer benefit.



Folder Feeder Model 1529 or 1528

- Folder feeder for single-sheet covers or cards
- Convenient loading height
- All settings on-the-fly
- Stops and stacking table adjustable



Card Gluer Model 315

- Card gluer with double gripper drum for reply cards, CD-ROM's or merchandise samples
- Wide size range
- Spine-on-spine tip-on of small brochures
- Can be placed at any feeder position
- Integrated control for glue application system
- Can be supplied with Add-on kit for automatic tipping of Post-it® notes

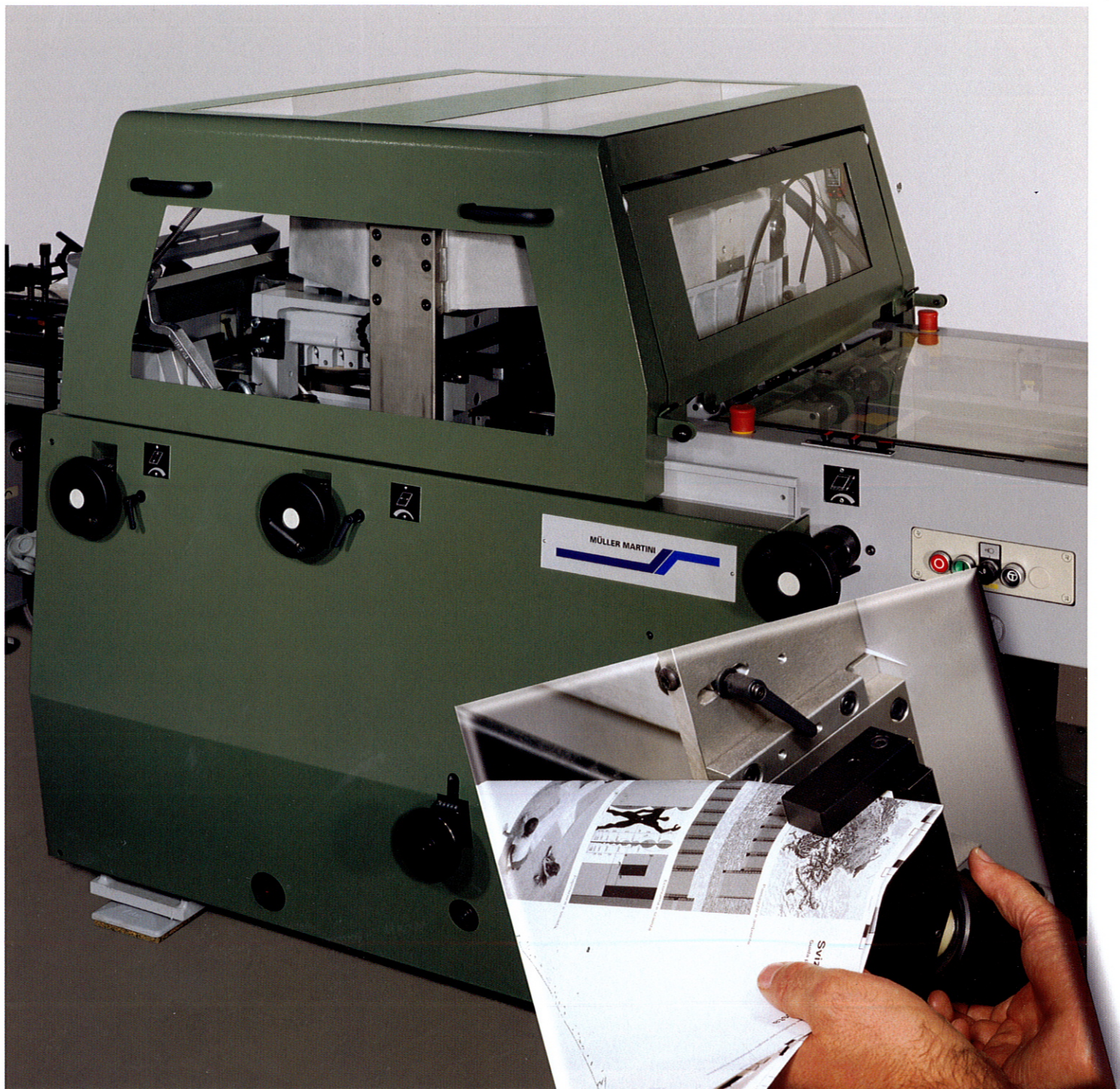


Stitching Unit Model 380

- Stitching unit with heavy-duty, flying sticher carriage and continuous gathering chain
- Standard and loop stitching
- Precise plus/minus signature control with ridge caliper
- Stitch monitor
- Incomplete copies are ejected unstitched into the reject delivery
- PLC control provides menu-guided set-up
- Machine is set on Airloc leveling elements to minimize noise and vibration
- Drive components are submerged in an oil bath
- Automatic lubrication

Options:

- Semko for lateral thickness measurement
- Oblique sheet monitor
- Production data management system



Three-knife Trimmer Model 361

- 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

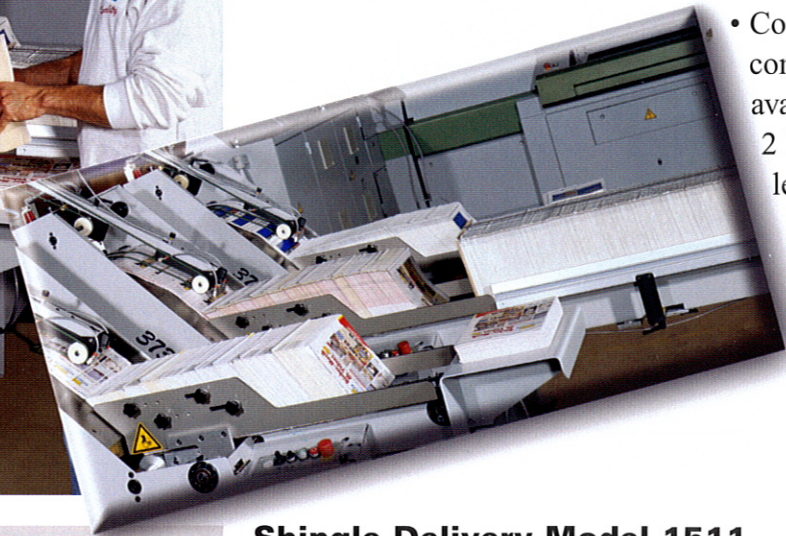
Three-knife Trimmer Accessories

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

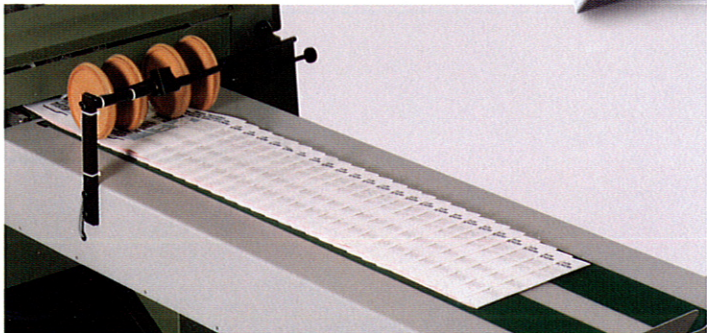


Universal Stream Feeder Model 3738

- Bundle loading from the rear
- Modular, space saving design for manual or automated bundle loading

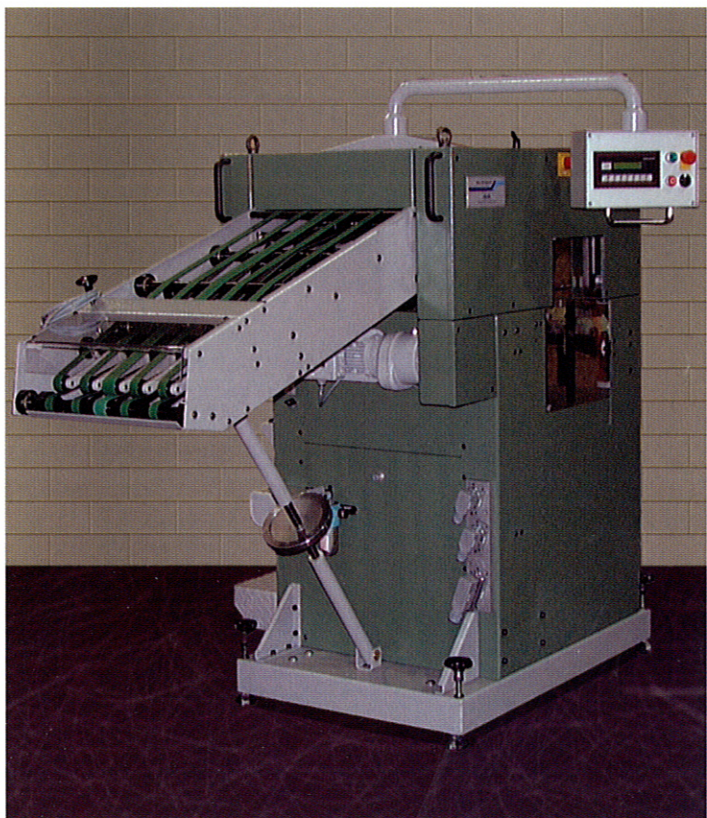


- Cost-effective, compact system available in 2 loading lengths



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



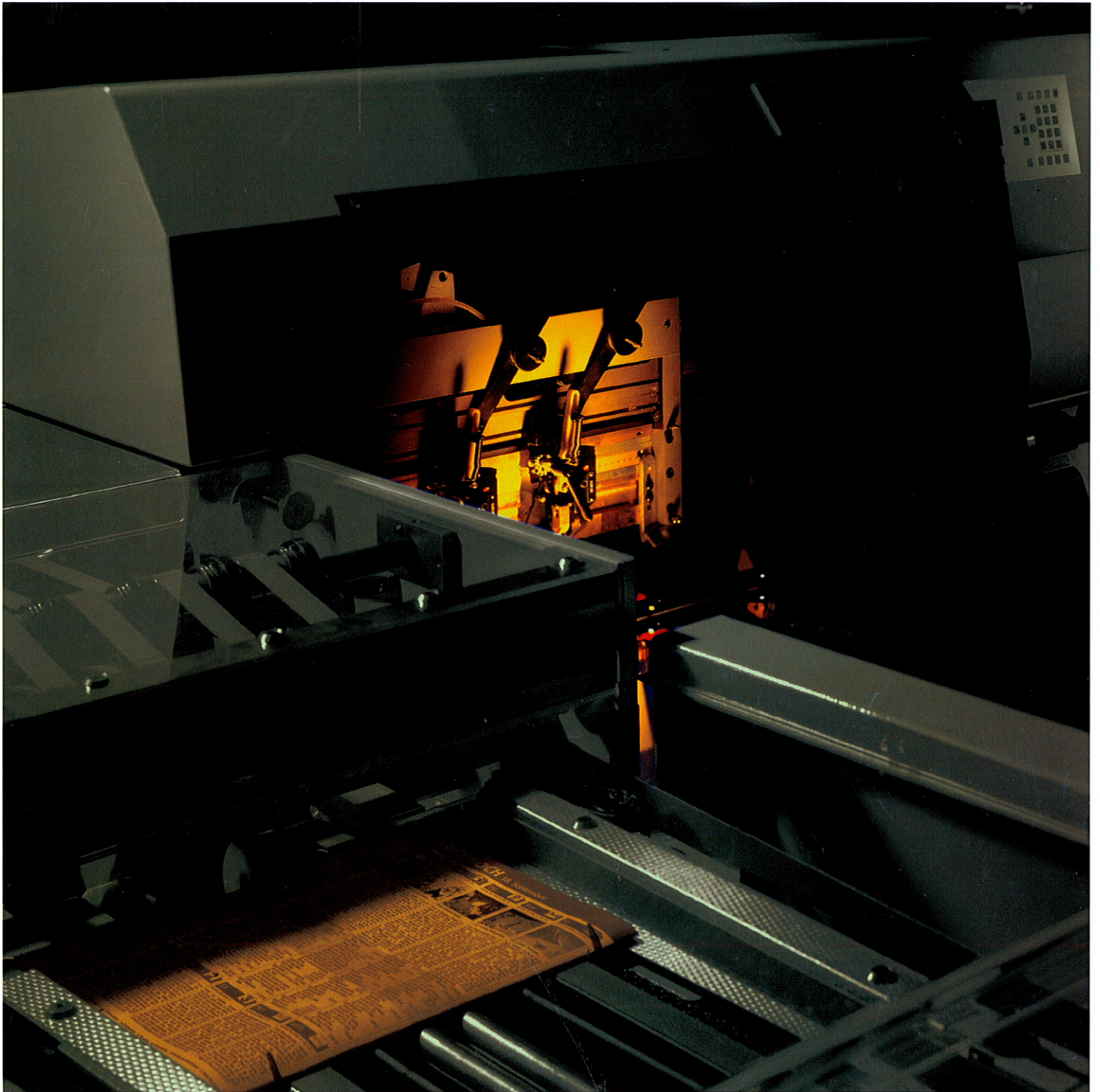
Partner with Muller Martini

- Cost-effective solutions from the market leader
- Factory trained service support
- Emergency parts service
- Customized training

Partner with the customer-focused single source.

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

September 2000



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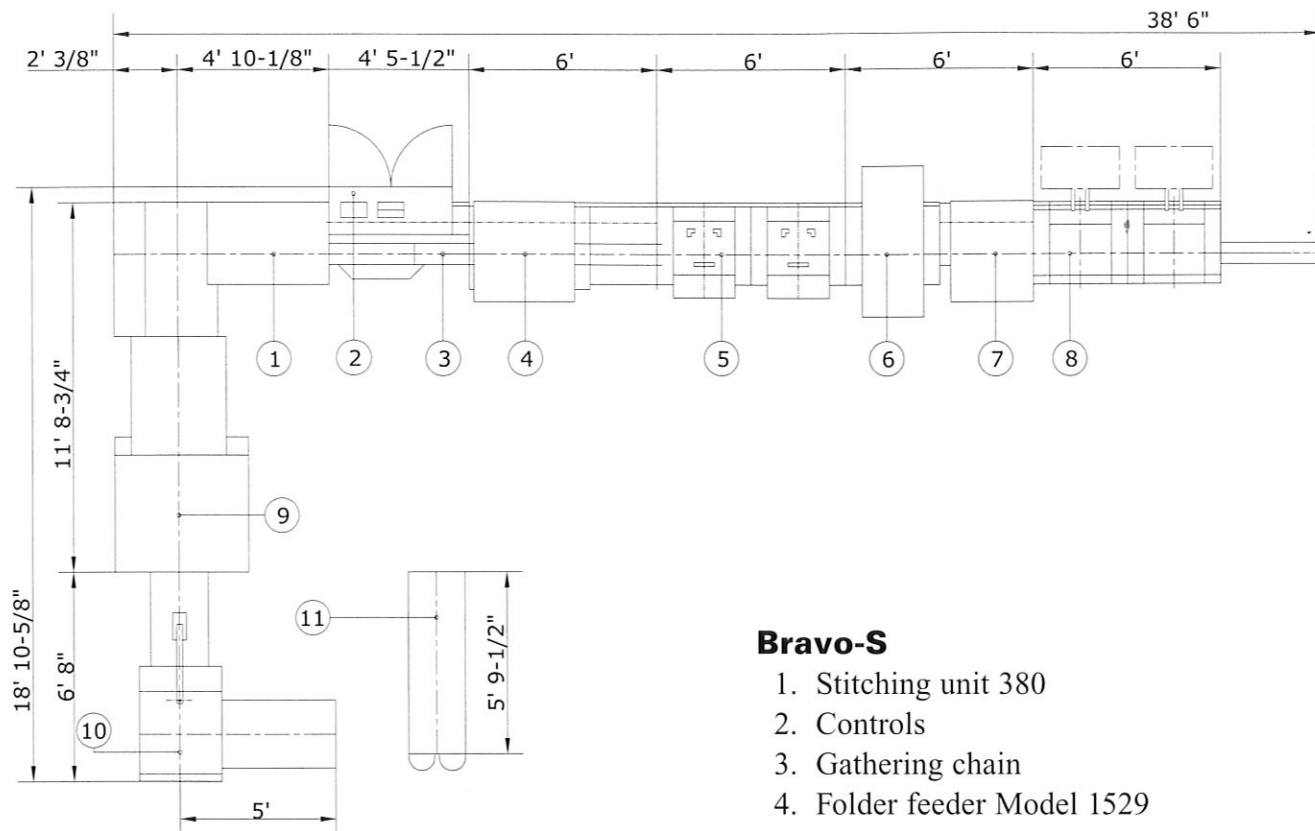




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Specifications

Mechanical speed	max. 12,000 cycles per hour
Sizes untrimmed	max. 18-7/8" x 12-5/8" min. 6" x 4-1/4"
Sizes trimmed	max. 18-3/4" x 12" min. 5-13/16" x 4-1/8"
1-up products, with small size kit, trimmed	min. 4-1/8" x 3"
2-up products	min. 3-1/2" x 3" each product
Cut-off	Head/foot and front trim, max. 2"
Product thickness	max. 1/2"
Lap	max. 11/16" min. 1/4"
High folio, low folio, suction opening	Standard
Number of feeders	max. 14
Folder feeders	1529/1528
Card gluer	315-21"
Number of stitching heads	HK-75 max. 6 HK-45 max. 8 loop stitching head max. 4
Frequency controlled 3-phase drive	7.5 kW/460V/60Hz/3-phase for up to 14 feeders
Pressure-vacuum pump	up to 4 feeders 1 x KTA-80 up to 8 feeders 2 x KTA-80 up to 12 feeders 3 x KTA-80 up to 14 feeders 4 x KTA-80
High pressure air	90 psi house air supplied by customer



Bravo-S

1. Stitching unit 380
2. Controls
3. Gathering chain
4. Folder feeder Model 1529
5. Flat pile feeder Model 370
6. Card gluer Model 315
7. Card folder Model 1528
8. Vertical pile feeder Model 370
9. Three-knife trimmer Model 361
10. Apollo compensating stacker
11. Universal belt delivery Model 1511