



MECCANOTECNICA

BOOK FINISHING SOLUTIONS



HIGHRANGE

SOLUTIONS FOR OFFSET PRINT FINISHING

***aster*Pro**

AUTOMATIC BOOK SEWING MACHINE

asterPRO

AUTOMATIC BOOK SEWING MACHINE

THE SOLUTION FOR LAYFLAT BOOKS WHEN EXCELLENCE IS A MUST



Excellence is what professionals are firmly keeping in mind and this has been the goal while designing the unit. asterPRO incorporates all the cutting-edge technology for automatic book sewing.

This is MECCANOTECNICA's most complete machine, its flagship unit; the perfect balance between automation and precision, speed and reliability, therefore the ideal solution for all production needs.

asterPRO offers the size of 440 mm and of 520 mm (with asterPRO/52) and speed up to 12.000 cycles/h for both versions.

It is a full option unit - from the new active thread cutter and new conic punch needles, to the new accelerator's speed adjustment for each signature - meaning that the signature handling is customized as never before in order to get a perfectly sewn book block.



New active thread cutting system

The active thread cutter, computer controlled, allows a precise cutting action without pulling the thread, thus avoiding tearing of the signature spine.

This feature is particularly appreciated when running light paper books and most importantly regardless of thread kinds.

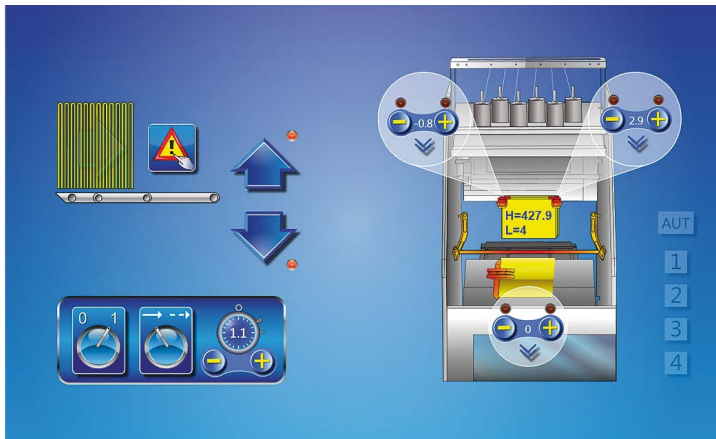
Double infeed gripper and squaring device

The 440 mm size handles books such as A5 two-up and untrimmed A3. While the PRO/52 opens opportunities for multiple-up or oversized books.

A double gripper allows the proper extraction of large sizes, lightweight paper or floppy signatures.

The squaring device performs smoother operations with no manual intervention and it's maintenance free.

Moreover, the four transport belts at the infeed guarantee smoother transport of larger signatures.



“Fully Automatic” size change (option)

The main component of this feature is the self-learning function; by machine starting the unit automatically recognizes the signature size. It consequently performs the setups of: the opening head, the transport system, the accelerator wheel, the signature registering device, the punch needles (exclusive feature), the book side knives and the delivery table. This option is particularly appreciated when the turnaround time has to be quick and optimized.

Significantly increased mechanical strength

Great improvement in machine reliability has been achieved thanks to the increase of mechanical/dimensional characteristics of the cams and the strengthening of the transmission.

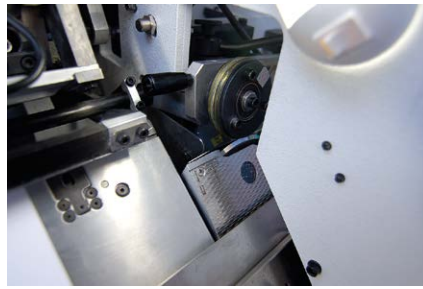
Automatic conventional/staggered stitch (option)

The switch between conventional and staggered stitch is now computer controlled. In addition, a special device turns the hook needle slightly left or right in order to avoid excess accumulation of thread (looping) while running with staggered stitch.



Needles, hooks and punches

Extremely short sewing and hook needles easily and safely slide into holes made by the punches along the signatures spine. Besides new conic shape punch needles create smaller and regular holes, therefore increasing sewing quality.



Accelerator wheel

Speed and height of the accelerator wheel are programmable to individually suit the thickness and type of paper for every single signature. This is significantly helpful while handling light paper and/or different signatures within the same book.



GigaLynx Dual Control

The new system, located in the hopper, immediately identify errors allowing their correction. In addition, the device shifts easily; this feature is very useful when in need to check signatures that differ only in restricted area, like agendas. Furthermore the Dual function allows the reading of barcodes.



Gathering and sewing lines

asterPRO can be employed in various types of Meccanotecnica automatic gathering and sewing lines: Uniplex, Multiplex SA and Magix.



Book block delivery

An extended delivery belt acts as a buffer allowing easy and comfortable unloading. For a higher degree of automation it is available the optional Stacker, connected via a roller delivery, it stacks piles of books up to 120 mm.



Siemens PC

An integrated frame houses a new 17" swivel colour monitor. The control panel complemented by a new interface, makes the programming easier and more straightforward. The unit features a "Remote Service" software for troubleshooting along with an application for scheduled maintenance complemented with detailed videos to facilitate operations.



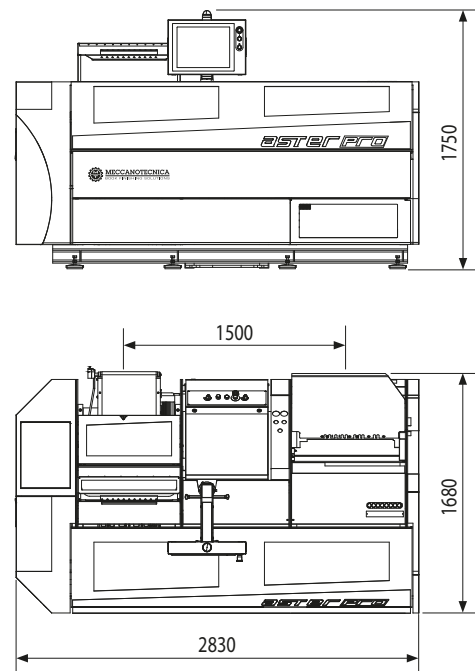
The asterPRO sewing unit bears CE safety mark.

Meccanotecnica reserves the right to make changes to the technical and aesthetic characteristics of the products shown at any time without notice.

TECHNICAL DATA

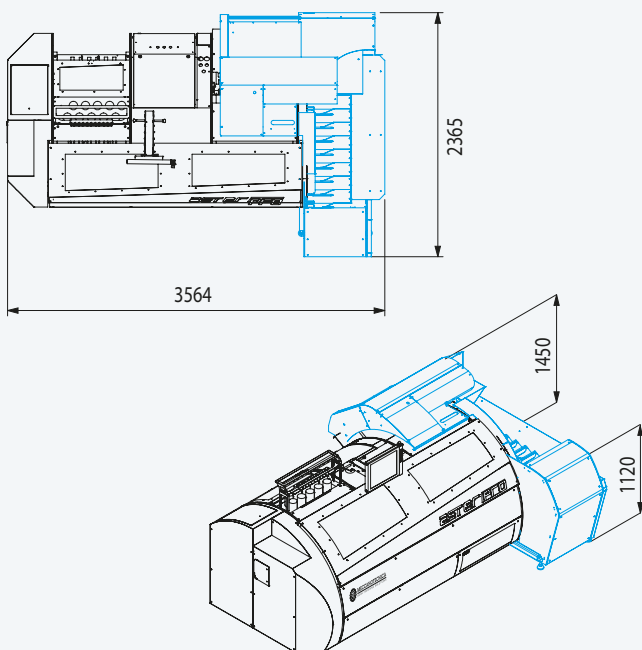
Max. mechanical speed	12.000 cycles/h
Min. size	120 x 75 mm (4 ¾" x 3")
Max. size	440 x 320 mm (17 ½" x 12 ½") 520 x 320 mm* (20 ½" x 12 ½")*
Available openings	2 above, 2 below + lap
Number of stitch positions	10 (12)*
Stitch length	19 mm (¾")
Max. power consumption	6,35 kW
Standard voltage	400 V, 50Hz, 3 phases
Air consumption (external supply)	max. 500 l/min at 7 bar
Net weight	3580 kg (3680 kg)*

(*) aster PRO/52



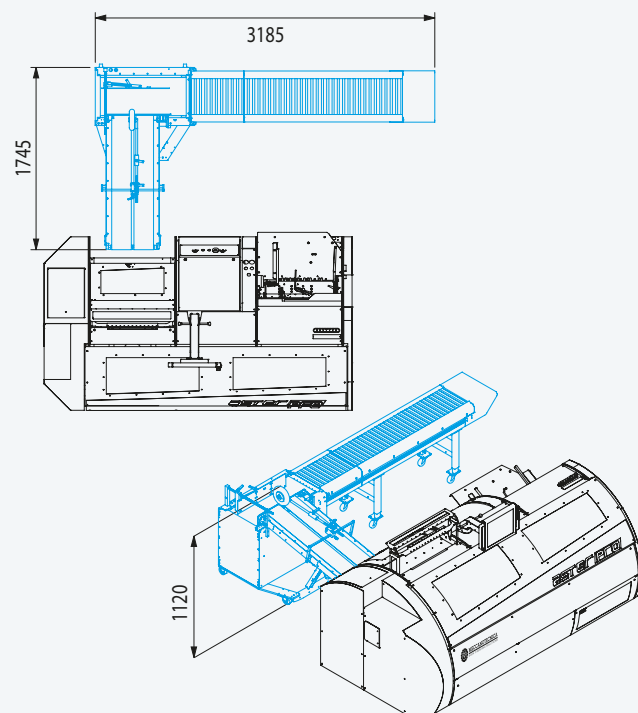
OPTIONAL

asterPRO + Sistema



OPTIONAL

asterPRO + Stacker



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