



# MECCANOTECNICA

## News

May 2007

Issue 11

### The new ASTER 220C



On the occasion of the Graphispag and Poligrafia international exhibitions for printing and bookbinding industry, which took place respectively in Barcelona (Spain) and Poznan (Poland), Meccanotecnica officially presented its new model of book sewing machine, the **ASTER 220C**.

The main target of this new project is to obtain a book sewing machine which can both achieve the same production performances as the flagship model, the ASTER 220SA, and at the same

time be attractive by an economical point of view. The top mechanical speed of 220 cycles/min is a result of new motorization, the use of individual components made of new carbon fiber materials and the three cam boxes.

The maximum signature size is 420 x 320 mm and can reach 510 x 320 mm in case of model 220C/51.

The presentation of the ASTER 220C is another important step in the direction of the product standardization among

the different models, in order to adopt common technical solutions that will lower maintenance costs and ease the operators' task.

The ASTER 220C can be

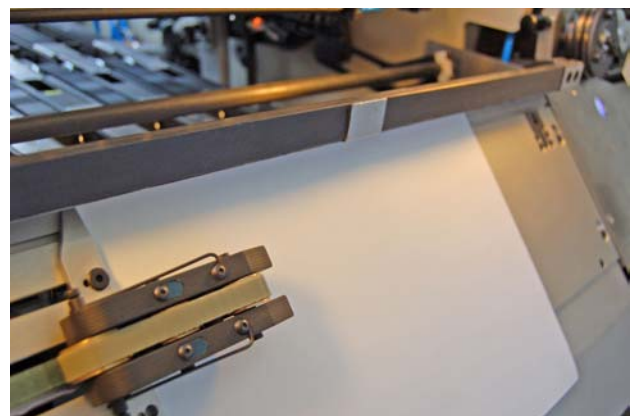
employed in all types of automatic gathering and sewing lines: Multiplex SA, Magix, Bombax and Bombix.

The Siemens PLC S7 is fitted with a 12" touch screen colour monitor.

The CPU was upgraded; furthermore, an Ethernet port was introduced, in order to interface with the PCLynx supervision system, for the collection of production data.

The programming is now fully standardized within the ASTER sewing machines family.

The **newly designed leveler bar** on the sewing saddle, which keeps signatures in the right position during sewing, is made of carbon fibre. The bar is now lighter and more





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rigid which means reduced vibrations and a more reliable signature transfer onto the saddle.

It guarantees perfect registering of all types of signatures. The signature extractor

also choose one of the four possible bar positions via the touch screen. Thus the extractor bar can always stay fixed in its seat for all signature sizes.

incorporated in the sewing unit, which separates book blocks from one another regardless of the signature count. The patented device does not require any additional thread end blocking system. At the delivery, a trimming device automatically reduces thread ends to approximately 10 mm.



The new **double-belt registering device** on the sewer saddle is also made of carbon fibre.

bar automatically positions itself according to the signature size spine to front edge. The operator can

The loading hopper is fitted with the Signalynx system which ensures that signatures are gathered in the correct sequence. This device makes use of the "artificial vision" technology to reliably recognize even text-only signatures. Just one book is sufficient for the automatic self-learning stage.

The ASTER 220C is equipped with an automatic book separator, in-

In the next issue:

IGLUE back gluing line

## Coming exhibitions

EMBAX PRINT 2007 - Brno, Czech Republic - 22nd to 25th May 2007

PAPER ARABIA 2007 - Dubai, United Arab Emirates - 9th to 11th September 2007

IGAS 2007 - Tokyo, Japan - 21st to 27th September 2007

DRUPA - Duesseldorf, Germany - 29th May to 11th June 2008



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