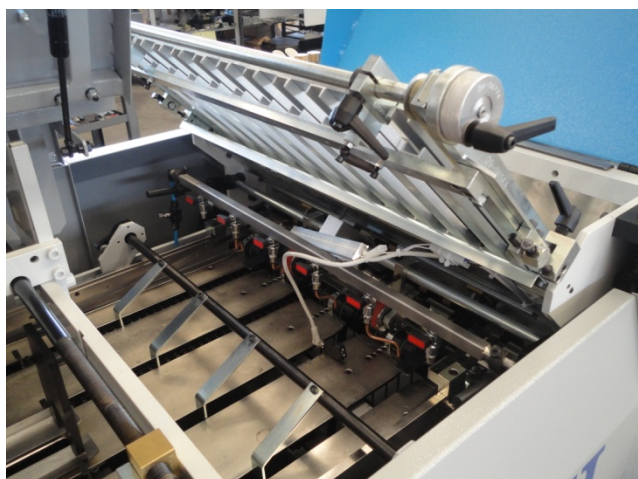


DIGITAL**L**INE

**The NEW DIGITALINE** is a Completely New Integrated Production System for Digitally Printed Books, which combines Folding and Thread Sewing. Increased efficiency is obtained by the new Folding Unit, which feeds directly Digital Sheets into the patented Smyth F145 Automatic Sewer. Short Run Book Production also benefits from the advanced technical features which include the possibility to insert 4, 6 and 8 page signatures into the new system offering great benefits to the entire digital & short run market. The EASY PLUS and SPECIAL version are equipped with a 2nd CROSS KNIFE to prepare the signature to produce perfect bound books.



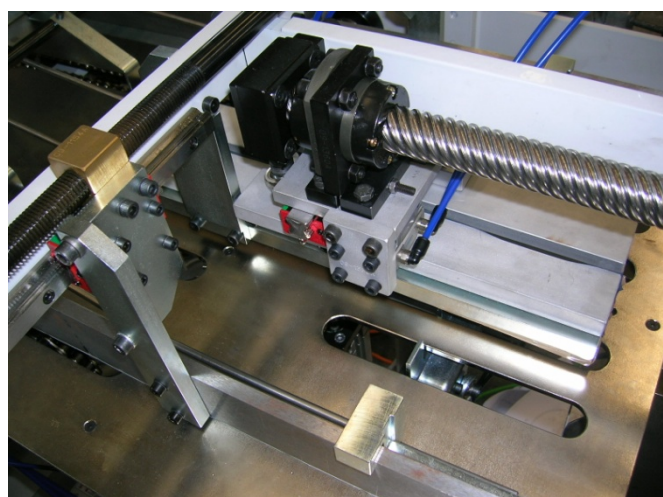
## INSERTING GROUP

Positioned just after the folder unit, the Inserter enables combined collating of flat and folded sheets, collated product specifications depend on the weight and thickness of the paper. They are then transferred to the grouping station, aligned on both sides and transported to the cross knives unit.

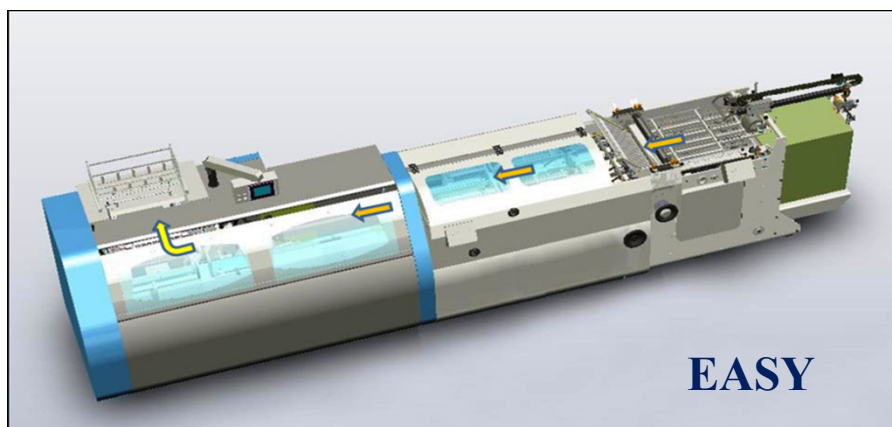
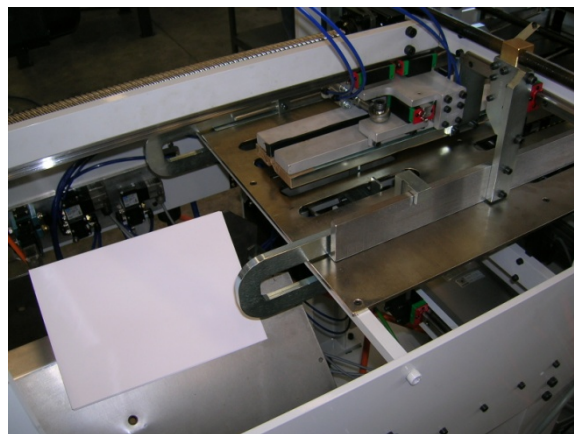
The Folding unit benefits from two parallel fold possibilities to insert 4, 6 and 8 page sheets. The electronic knife is able to make one cross fold 4, 6 or 8 page sheets and transfer the inserted sheets onto the sewing machine saddle. The signatures are transferred via an Indexing System onto the mobile saddle to form the complete book.

## CROSS FOLDING UNIT

Comes equipped with a pneumatic knife, the inserted sheets are folded by means of the vertical movement of the knife from bottom to top. A 2nd cross knife (OPTIONAL) is available to produce perfect bound books.

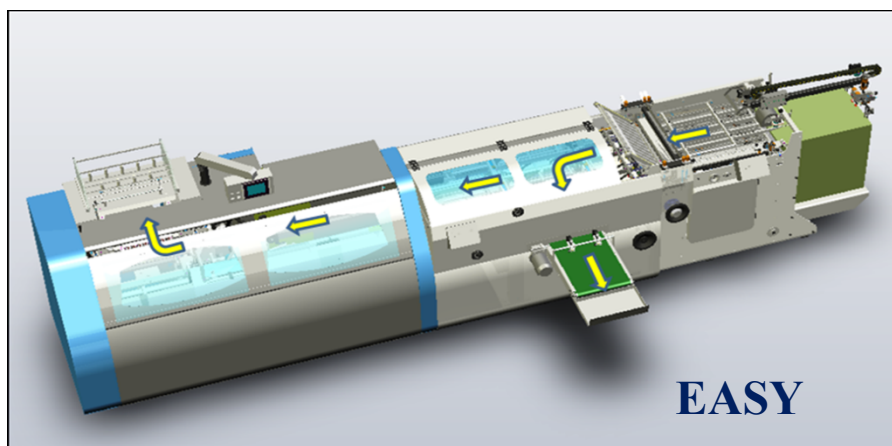


**SEWING MACHINE FEEDING** After folding (knife unit), the collated sheets are then jogged by two pneumatically controlled side plates, which press the signatures spine. In the next phase the signatures are moved onto the fixed saddle of the sewing machine.



**EASY**

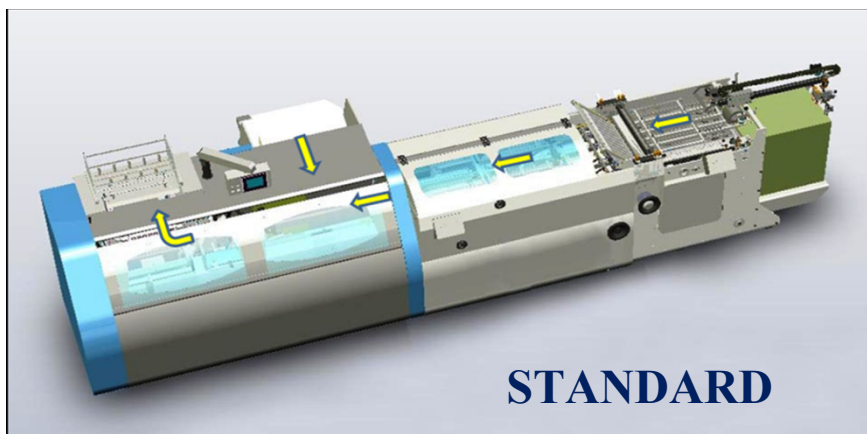
The **EASY** version is supplied complete of the automatic flat pile feeder + 1 folding unit (2 buckles) + inserting station + 1 CROSS KNIFE in line with a F145 SEWER (without signature feeder).



**EASY**

The **EASY PLUS** has the same configuration of the EASY, but it comes equipped with a 2nd CROSS KNIFE FOLDER. The inserted sheets are folded by means of the vertical movement of the knife from top to bottom to prepare signature ready to produce perfect bound books.

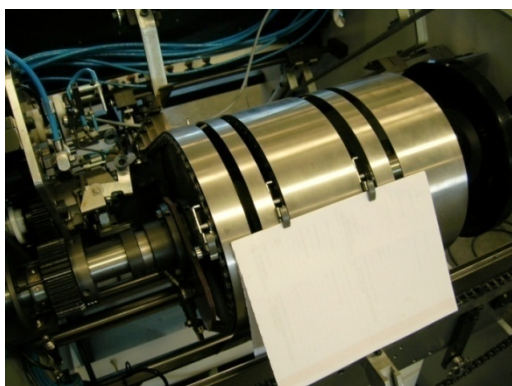
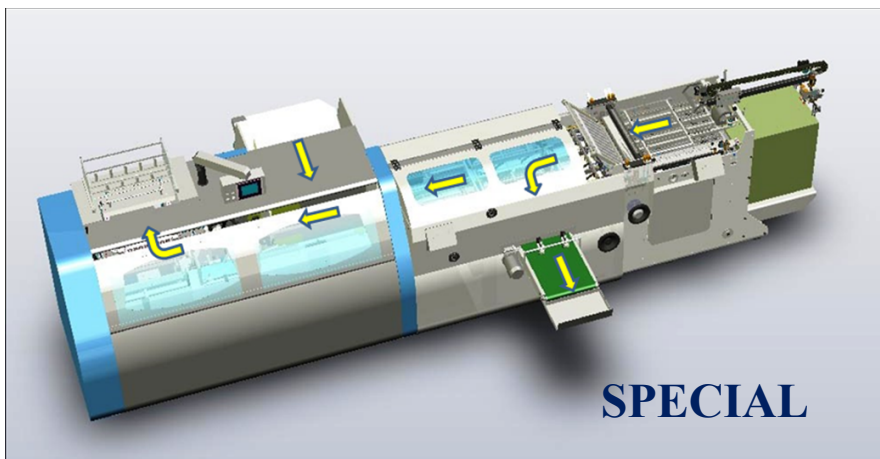
Alternatively, the Smyth Digital Sewing Line is available in **STANDARD** version, complete of the automatic flat pile feeder + 1 folding unit (2 buckles) + inserting station + 1 CROSS KNIFE in line with a F145 SEWER **complete of signature feeder** to insert signatures or 4 pages signature in the production of digital books or as STANDARD BOOK SEWER loaded with pre gathered signatures as an off-line solution.



**STANDARD**



The **SPECIAL** version is the top model. It comes equipped of the automatic flat pile feeder + 1 folding unit (2 buckles) + inserting station + 2 CROSS KNIVES in line with a F145 SEWER **complete of signature feeder. The feeder can be used** to insert signatures or 4 pages signature in the production of digital books or as STANDARD BOOK SEWER loaded with pre gathered signatures as an off-line sewer. The line is also supplied complete of a 2nd CROSS KNIFE FOLDER. The inserted sheets are folded by means of the vertical movement of the knife from top to bottom to prepare signature ready to produce perfect bound books.



To confirm the higher flexibility of the system, the F145 sewer included in the version DIGITALINE STANDARD and SPECIAL can be used as traditional standing alone sewing machine to load with pre-gathered signatures.

## Technical Features

<b>SIZE MAX.</b>	Printed sheets : 500 x700 mm. Sewn signature: 390 x 300 mm.
<b>SPEED MAX.</b>	Pile feeder : 160 sheet/min. Sewer : 60 cycles/min.
<b>STITCHES NUMBER</b>	8
<b>DISTANCE BETWEEN THE STITCHES</b>	24 mm.
<b>ELECTRICAL</b>	380V - 50 Hz
<b>RATED POWER</b>	6 Kw
<b>TOTAL WEIGHT</b>	2700 Kg.
<b>AIR PRESSURE</b>	max. 6 bar
<b>AIR CONSUMPTION</b>	max 200 NI/min.

**Smyth S.r.l** Regione Formica 10, 15030 Coniolo (AL) – Italy

Tel.: +39 (0)142 56 33 66 Fax: +39 (0) 142 56 22 77 E-mail: [freccia@smyth.it](mailto:freccia@smyth.it) WEB: [www.smyth.it](http://www.smyth.it)

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