

# **INPRINT** pressrelease

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## **Typopress buys an Aster 180 C automatic book sewing machine made by Meccanotecnica**

**Typopress was founded 40 years ago by Mr. Elias Melki. Today the second generation of Melkis, Mr. Wissam and Mr. Charbel Melki have joined the company located in Jdeideh in the vicinity of Beirut. The company counts some 50 employees and specializes in book printing.**

Typopress has chosen the Aster 180 C is because it offers most features found on larger Aster models with a maximal mechanical speed of 180 cycles/min. and is the most compact sewing machine on the market.

What makes the Aster 180 C compact is that feeder and sewing unit are mounted side by side on a single base frame.

The Aster 180 C model offers a sheet size of maximum 320x420mm.

It is equipped with a swivel touch-screen colour control panel provides:

- Quick and easy programming without having to stop the machine;
- Storing of up to 30 different sewing programs that can be recalled during production;
- Display of production data, machine speed and alarm messages;
- Automatic variation of the machine speed in case of books with complex signatures.

The Siemens PLC S7 makes use of a more powerful CPU which allows to store, for the last four jobs, the following production statistics: signature, book count; average speed; processing time; time to finish the job; down time; the number and cause of main stops; the production per shift for the last two days.

During the extraction from hopper, the bottom signature is separated from the pile by blowers and support fingers. This feature combined with low pile inclination, helps to eliminate marking problems.

The transport belts are stretch resistant and require no lubrication.

The opening head features four top and four bottom programmable vacuum openers which ensures maximum opening versatility.

The opening head also includes the lap opener, a programmable device for mechanical opening of signatures with high and low folio lap anywhere in the book. The lap opener is particularly helpful with come-and-go signatures. The minimum lap required is 8 mm.

Dynagraph traces its roots back to the 1970s. Dynagraph is at the cutting edge of transfer of printing technology.

Dynagraph for Printing Industry Ilc, Dubai serves as a regional hub, operating from the commercial capital of the United Arab Emirates to coordinate all activity in the Gulf.

Dynagraph for Printing Industry Sal (Offshore) and Dynagraph Lebanon sal cover the near eastern markets.

Dynagraph is a small to medium size business with 90 employees.

Dynagraph aims for a balanced product mix between supplies, pre-press, press, after press, converting, consumables and services

In prepress with both standard and bespoke hard and software solutions from DTP to high-end systems Dynagraph deals with manufacturers such as Fujifilm Graphic Arts or DuPont.

In press, sheet and webfed MAN Roland is Dynagraph's partner provides a wide range of highly developed presses and services, whether in commercial, packaging or publishing printing.

In after press, our partners in this sector are leading manufacturers like Kolbus, MBO, Schneider\_Senator, Theisen & Bonitz, and others.

Kolbus offers the most extensive machine range in the industry. Hardcover as well as adhesive bound products such as catalogues, magazines, schoolbooks, paperbacks, and a variety of other products.

For special types of projects for the packaging and converting industry, Dynagraph works together with world leading manufacturers and foremost suppliers of products for solid board, corrugated board and flexible packaging industries e.g. Mark Andy, Winkler+Dünnebier,

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The accelerator wheel transfers signatures onto the sewer saddle. Its speed automatically adjusts to the running speed of the machine.

The newly designed double belt registering device on the sewer saddle is made of carbon fibre. It guarantees perfect registering of all types of signatures. The device can be positioned at will on the sewer saddle according to the signature length.

The newly designed leveller bar on the sewing saddled, which keeps signatures in the right position during sewing, is also made of carbon fibre. The bar is now lighter and more rigid which means reduced vibrations and a more reliable signature transfer onto the saddle.

The sewer saddle is driven by a camshaft running in a sealed oil-filled compartment (cambox). This type of drive guarantees exceptionally long cam lifetime, as well as reduced vibrations and noise and no need for maintenance. The sewer saddle is very rigid and strong, being fitted directly on the camshaft without the need for further intermediate transmission organs.

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

Short sewing and hook needles are easy to insert in the holes made by the punch needles along the signature spine. This guarantees maximum sewing quality.

An automatic centralised lubrication system makes for easy machine maintenance. All the points in the machine requiring lubrication, receive the right quantity of oil at set intervals.

*For more information about Meccanotecnica S.p.A and its product range kindly contact your local Dynagraph partner*



The Aster 180 C at the Typopress premises in Jdeideh – Lebanon. Two large oval windows make it easy to overview the machine operation.