

## Hashemia in Syria invests in a Kolbus Book Production Line BF 512

The Hashemia Library and printing house was founded by Mohamad Hashem Koutby in 1896 to become Hashemia, headquartered in Damascus – Syria, in 1994.

Today the company operates with 182 members of staff, Hashemia prints the Holy Quran and produces all kinds of ex-books and related items, trading in paper and boards and stationery for schools and offices.

The new Kolbus Book Production Line has been installed at the Hashemia's 18,000sqm factory floor. Today Hashemia who is considered one of the largest binderies in Syria chose the BF 512 to particularly match the required level of production in terms of quantity and quality. As Mr. Eiad Koutby, Operation Manager at Hashemia, elucidated this investments' purpose was 'especially to improve the quality of binding in our company and to increase the productivity of small size books' (optional module for small size down to 100x70x2mm). Additionally the BF 512 resolved some bottleneck problems, being 'rounding the spine of the books and inserting the ribbon, since before they were made manually'.

Mr. Koutby, who particularly likes the BF 512 for its 'speed, make ready time, small size, easy operation and handling', evaluated the overall performance of their new Book Production Line, stating that 'As expected, the performance of the machine is excellent and we are satisfied with the results'.

This fully automatic compact system is able to produce up to 1800 per hour of book blocks from min. 100x100mm to 280x375mm in size and from 2mm up to 80mm in thickness. The BF 512 stands for book finishing of the highest standard. Featuring quality, short make-ready times, simple operation, the Book Production Line is capable of producing flat and rounded book blocks and books with rounded spines. It offers high-performance, hardcover finishing for perfect bound, thread sealed, folded or sewn book blocks in all standard formats. Every production stage is closely monitored and controlled, guaranteeing a precise and reliable process.

It begins with the block and case being measured on the measuring table. The Kolbus Copilot automatic make ready system saves the measurements and automatically positions the axes. Consisting of a touch screen monitor, the operator will be guided during the production process, receiving information and feedback via three-dimensional colored graphics and photos. All dimensions can be saved for repeat jobs and measuring can even be performed during running production.

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, prepress, 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 Fuji Film Graphic Arts or DuPont.

In press, sheet and webfed manroland 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,

Dynagraph for Printing Industry LLC  
Corporate Marketing & Communication  
P.O.Box 35495  
Dubai, United Arab Emirates

Press Officer: Diana El Kara  
Phone: +971 4 3477724  
Fax: +971 4 3476761  
E-Mail: delkara@dynagraph.net

**[dynagraph.net](http://dynagraph.net)**

The product is gently transported to the star feeder, from where the book blocks are guided into the rounding station, where the block spine is pre-rounded and symmetrically adjusted, it then passes through the backing station for an optimal rounding quality with perfectly shaped block edges.

Into the gluing station, glue is applied to the entire surface of the block spine by forming rollers, which are adapted to the rounding of the spine. The lining material, guided by the roller, is cut to the desired width by circular cutters, whereby headband and lining material are glued together via nozzle gluing. The glued on lining material is pressed onto the entire surface of the block spine in the rub down station.

The cases are placed onto an infeed conveyor and transferred from there to the case magazine. After separating, the cases pass through a set of rollers that bends it into shape. Beneath the cover station, the block is opened in the middle through the patented block splitter and has its endpaper glued in by controlled glue rollers.

The glued book block is guided to the aligned book case by means of the casing-in wing. Block and case are brought together by the book clamp. The cased-in book is then transferred to the book forming and pressing machine, where the block is firmly pressed against the case from above, following by the books travelling through two pressing stations where they are pressed with a pressing pressure. Pressing plates and joint forming rails, with adjustable temperature, work in alternating rhythm and guarantee the exact symmetrical form of the book. The book is then ejected onto the delivery conveyor.

For the books appearance, Hashemia offers its customers to add their personal touch thanks to its newly acquired Embossing Press PE 312, which ensures a uniform and precise embossing through its sturdy four-column structure.

The embossing table in conjunction with the matrix plate enables a reduction of the make-ready time through the possibility to set up the case and to screw-fit the blocks to the matrix plate, outside of the machine while production of the previous job is running. Additionally it is possible to change the foil feed, while the machine is running, which is initially entered digitally for a faster setting. The foil is unwound by means of one or two step motor controlled foil feeders, depending on the machine configuration. Simultaneous processing of up to three different colour foils is possible, the foil being fed through the machine alternately in the longitudinal and in the transverse direction, saving material and make-ready time.

The register guides close and precisely align the case, which is pressed against the block affixed to the heated matrix plate. The embossing head adjustment determining the pressure is motorized through the four threaded

spindles and automatically locked, enhancing the quality and reducing the make-ready times.

Once the embossing cycle is finished, the case is deposited on the belt, to be further transferred on the table or is delivered by means of a roller conveyor equipped counter-stacker delivery, depending on the machine configuration.

To prevent malfunctions during production and possible damage to the blocks, material flow and vacuum are electronically monitored.



The fully automatic compact Kolbus Book Production Line BF 512, with integrated forming and pressing machine.



The Kolbus Embossing Press PE 312.