



Company name : **Moderna Printing**

Flexibly handles commercial printing work in medium to large-size lots with a new production system combining a tandem perfector with web presses

Moderna Printing is one of Belgium's leading printing companies. Celebrating its 70th anniversary this year, the company's core business is large-lot high-quality commercial printing of catalogs, leaflets, magazines, etc. In addition to an integrated production system for prepress, press, and postpress, Moderna also offers one-stop mailing services, including insertion of printed materials into envelopes, sealing, sorting, and shipment. To boost productivity for commercial printing of medium to large-size lots, in July 2015 the company purchased a V3000TP-10 B1-size 10-color tandem perfector.



Head Office Address : Schoebroekstraat 50, B-3583 Paal-Beringen, Belgium

Internet Website : www.moderna.be/moderna-printing-eng.html

Streamlined production by putting everything from printing to binding on one floor

Located about 40 minutes by car from Brussels National Airport, Moderna Printing is a commercial printing company with 50 employees. Founded in 1947, the company's main business is large-lot printing of catalogs, leaflets, magazines, and other work for major advertising agencies and corporate customers. Over their long history, Moderna has focused on offering high-quality printing with short lead times. With a large production capacity centering on five web presses, the company has steadily increased sales to the equivalent of 1,200 million yen in 2016. Moderna's integrated production system concentrates the latest equipment in a printing plant with a floor space of 3500 m² adjacent to their office building. To supplement their five web presses, in July 2015 Moderna's printing department purchased a V3000TP-10 B1-size 10-color tandem perfector, which they use primarily for printing covers for catalogs and other work. With the printing department and the binding department both located on the 1st floor, the plant layout is designed for optimum efficiency. The printing plant's high level of automation enables Moderna to offer reliable, high-quality printing work at low cost.

V3000TP-10 connected to a paper roll sheeter

Moderna purchased a B1-size 10-color convertible perfector in 2010 to create a production system combining their web presses with a sheet-fed offset press. The objective

was to enhance their capability for printing work in small and medium-size lots, and to handle paper thicknesses difficult for web presses. When it came time to replace their B1-size convertible perfector, in July 2015 Moderna purchased the V3000TP-10 B1-size 10-color tandem perfector to increase their productivity for perfecting work. A tandem perfector offers significant benefits for both productivity and quality, such as a special translink unit that enables high-speed perfecting of up to 16,000 SPH without turning the sheets over and maintaining sheet leading edge



Moderna Printing CEO Eric Bongaerts says that the V3000TP-10 tandem perfector has greatly boosted the company's productivity

for superior register precision during perfecting. Since Moderna's production system mainly consists of web presses, about 90% of their work uses roll paper. By connecting a paper roll sheeter to their V3000TP-10, they have adapted the perfector for printing on roll paper. The paper roll sheeter cuts the roll paper into sheets of appropriate length to match the printing area, reducing paper costs by an average of 1 cm per sheet. Moderna also



Feeder section connected to a paper roll sheeter

equipped their V3000TP-10 with an inline printing quality control system that controls the printing density on both sides of the sheet without having to sample the printed sheets during perfecting, another major benefit for consistent quality.

High-quality perfecting with no scratches or smudges reduces paper loss

Moderna primarily uses the V3000TP-10 for perfecting medium-size lots of about 7,000 sheets, and for printing catalog covers and other work with a paper thickness different from that of the main text pages. They typically print the main text pages on their web presses and the covers on the V3000TP-10, and then send both on to binding. Solid and high-density printing is most popular for catalog covers, and the tandem perfector makes it possible to obtain high-quality perfecting results with no scratching or smudging because the delivery section employs a belt-type transport system. Moderna says the V3000TP-10 has greatly reduced paper



waste. They also offer clients the option to protect printed materials by using the 5th and 10th color units to apply overprint varnish. Moderna says they expect their range of high-quality perfecting applications using the V3000TP-10 to expand further in the future.