**MAY 2015**

**iFLEX BY OMET CHANGES LABEL PRINTING FOREVER**

**iFLEX, the new label press by OMET: ease of use, ergonomics of operation and maximum return on investment. Welcome to the future!**

On May 19, 2015 OMET officially presents the new press iFLEX dedicated to label printing. It is the start of a new way to print labels packed with a great deal of innovation aimed at simplifying the printer’s work and increase the press efficiency.

iFLEX, UV Flexo machine in width 370mm, inspired by a careful analysis of customers’ needs and promoting ease of operation, is equipped with tools designed to reach the highest print quality in a few, easy steps. Specifically, we refer to innovative pre-register and register devices that contribute to speed up the machine set-up after each job changeover.

First of all, iLIGHT, pre-register system through laser pointers located on each Flexo group. The laser pointer indicates the best alignment of the plate holder with the aim to speed up the changeover and time to register. An identical laser pointer is positioned perpendicular to the die to guarantee the quickest, and immediately effective, die changeover. The best register is achieved thanks to instant cameras positioned on each printing unit **(iCAM)** capturing the register mark for immediate correction, and a monitor located centrally on the machine **(iVISION).** Register is rapidly set, as the material advances, without having to wait for the monitor to show the register mark at the end of the line. The results so far monitored of the combined work of iLIGHT laser pointers, **iCAM** smart cameras and **iVISION** system, guarantee a quantity of waste during set-up similar to that obtained with fully servo motorized machines.

iFLEX introduces the shortest web path (1,3 meters) in the field of narrow web machines which makes it a super compact press ensuring important material savings in the start-up phase (the register setting waste is below the web length between two prints!). iFLEX, moreover, is the only machine to have all the printing cylinders Direct Drive controlled so to increase the printing precision and eliminate the criticalities due to traditional gear transmission. In this regard, the presence of **only one gear** per Flexo unit is guarantee of **elevated print quality result**s.

At the end of the line, through the new die-cutting quick-change (QCDC), it is possible to prepare the die cylinder offline on a specific trolley, with no need of lifting hoists. iFLEX label printing machine is equipped with **Rock'n'Roll automatic matrix rewinding system** that guarantees a smooth printing process with no slowdowns in the die-cutting phase, even in the case of complex shapes. The ensemble of die, cut and matrix rewinding is named **CONVERTING EXPRESS**.

The machine handles a wide range of formats ( from 5 to 18 ½ '’) tailored to the needs of a small/medium label converter, and for little investment in the production of printing plates. iFLEX is designed to work continuously, without stops for maintenance; its richness and constructive finesse make it a strong, silent press, designed for intensive work cycles and performance, and consistent printing results. The robust protection carters of the Flexo units increase the operator’s safety and prevent the fall of dirt on the plate cylinder, resulting in no downtime for cleaning operations.

The machine configuration flexibility, typical trait of OMET’s printing presses, allows the insertion in-line of cold foil (as standard), screen printing (optional), UV lamination (optional) and an end-line video control camera (optional). On request the machine could have a longer web path for use with water-based inks, and hot air or hot air and UV drying tunnel.

So states Marco Calcagni, OMET’s sales and marketing director: " iFLEX fills a technology gap on today’s market as it is the ideal complement of the equipment of medium to large label converters that produce large volumes of simple labels with just-in-time deliveries looking for a decrease in wastage. At the same time, it represents for smaller label converters with less investment capacity, the fundamental technological resource to print any job, no matter the volume, with a very high ROI.”

Owning iFLEX is a new, electrifying experience whose aim is to create an inseparable man-machine combination achieving concrete objectives of productivity, time and waste savings, highest quality of execution in one pass and quick delivery to customers. The new iFLEX has no competitors in narrow-web label printing.

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To learn more about OMET’s new printing presses:

[www.printing.omet.com/varyflexoffset](http://www.printing.omet.com/varyflexoffset)

[www.printing.omet.com/iflex](http://www.printing.omet.com/iflex)

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