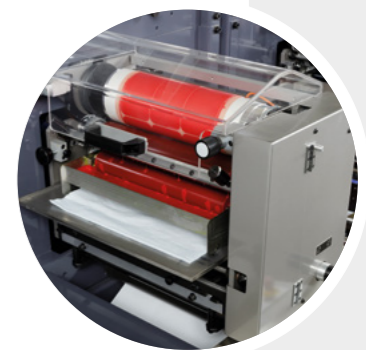




ICON multi-process platform for post-print digital finishing and converting, and production of logistics-type labels + A4 sheets

Converting and finishing processes

- Compact or large unwinders with 3 available diameters (850 / 1000 / 1200) mm.
- Pre-equipment on unwinder to receive corona treatment and web cleaner.
- Die cutting unit in servo-rotary and semi-rotary versions, or DGV-type flatbed.
- Waste matrix with pressure arm and Snowball system.
- Visualization, 100% inspection and control module with a wide range of cameras available.
- Wide choice of slitting units with interchangeable cassette for shear knives or razors, pressure knives, underscoring, or shear knives with automatic positioning.
- 1 or 2-shaft rewinders for simultaneous or alternating rewinding of finished products.
- Semi-automatic rewriter with 2-shafts.
- Non-stop 2-shafts rewriter with automatic gluing system.
- Sheet delivery with conveyor.



Printing and converting processes

- Flexo units available in mechanical rotary, rotary servo or semi-rotary servo versions with UV / LED / hot air / IR drying systems.
- Delam / relam for flexo unit for printing on glue.
- Laminating and cold foil stamping.
- Lamination mounted on a rail.
- Inkjet printing for variable printing.
- Applications modules for coupon labels, booklets and labels dispensing.
- Parts removing system.



The **ICONVERT** is part of the ICON multi-process platform for label converting and is integrating a wide choice of fully servo-driven printing and converting modules.

The **ICONVERT** line is dedicated to post digital printing finishing (including Flexo printing, cold foil stamping, laminating, die-cutting, etc.), and can work off-line or in-line (via a synchronization module). The **ICONVERT** line is infinitely combinable, for solutions tailored to every market application. The platform is also modular and compatible by retrofit with all modules in the **ICONCEPT** range (such as Hot Stamping and Screen-Printing stations) and **ICONTROL** (control section).

It is also used as a flexographic printing and die-cutting machine (multi-station for top and bottom die-cutting, sheet-fed die-cutting) for the logistics and A4 board markets... It can integrate up to 4 flexographic printing units and 4 die-cutting units. Other modules in the range can be connected, such as non-stop rewinders, sheeting, stackers...

Technical specifications

Minimum / maximum web width: 3 versions 350 mm or 450 mm or 530 mm	100 / 350-450-530 mm
Minimum / maximum belt thickness	30/250 microns
Standard unwind/rewind diameters. (Other diameters optional)	800 / 500 mm (2 shafts)
Corona treatment and web cleaner	(Option) •
Flexographic plate cylinder repeat	From 12" to 25,5"
Varnish cylinder stop between two labels to avoid leaving a mark on the label	Standard
Laminating and cold foil stamping unwind/rewind diameters	400 mm
Rotary or semi-rotary die-cylinder repeat	From 12" to 25,5"
Maximum weaving reel diameter	650 mm
Maximum flexographic speed in mechanical rotary or rotary servo *	150 m/min
Maximum flexographic speed in registered semi-rotary servo mode *	60 m/min
Maximum cutting speed in mechanical rotary mode *	200 m/min
Maximum cutting speed in registered rotary servo mode *	150 m/min
Maximum cutting speed in semi-rotary servo registered mode *	70 m/min
Flexographic printing on glue	(Option) •
Control system type BST Nyquist, EL or other	(Option) •
Inkjet variable data printing	(Option) •
UV / LED / hot-air drying / IR curing	(Option) (UV std)
Slitting with counter-knives, razors knives, pressure knives, Underscoring Automatic positioning of counter-knives	(Option) •
Registration accuracy of all modules	+/- 0,125mm
Coupon and booklet applications	(Option) •
Industry 4.0	•

* Production speed depending on processes, formats, weeding, substrates, inks...