



The **ICONCEPT** is the most advanced product line from the ICON multi-process platform, incorporating a wide choice of printing and converting modules fully servo-driven, independent in terms of repeat length, automatic registration systems and web motion. It is infinitely adaptable, for solutions tailored to every market application. The platform is also modular and mature, with worldwide references from leading label printers.

Technical specifications

Minimum / maximum web width: 2 versions 350 mm and 450 mm	100/350 mm and 100 / 450 mm
Minimum / maximum web thickness: for 2 versions 350 mm and 450 mm	30/250 microns
Standard unwind/rewind reel diameters (other diameters optional): 350 mm and 450 mm	800 mm/500 mm (2 shafts)
Flexo plate cylinder repeat: for the 2 versions 350 mm and 450 mm	From 12" to 25,5"
Laminating and cold foil stamping unwind/rewind diameters: for the 2 versions 350 mm and 450 mm	400mm
Maximum screen-printing format (width x repeat): for the 2 versions 350 mm and 450 mm	340 x 340 mm and 440 x 440 mm
Maximum format for semi-rotary foil station (width x repeat): 350 mm version only	330 x 230 mm
Maximum format for flatbed foil and embossing station (width x repeat): 350 mm version only	330 x 330 mm (max. 40% of surface)
Maximum format for flatbed foil and embossing station (width x repeat) with the rotating head 350 mm option	330 x 240 mm (max. 40% of surface)
Stamping, embossing and flatbed die-cutting module pressure: 350 mm version only	50 Tons
Rotary or semi-rotary die-cylinder development: for both 350 mm and 450 mm versions	From 12" to 25,5"
Maximum waste reel diameter: for the 2 versions 350 mm and 450 mm	650 mm
Maximum flexo speed in rotary mode (mechanical or servo with automatic registration control) *: for the 2 versions 350 mm and 450 mm	Up to 150 m/min
Maximum flexo speed in semi-rotary servo registered mode *: for the 2 versions 350 mm and 450 mm	Up to 60 m/min
Maximum flat-bed foil speed type HGV *: 350 mm version only	Up to 45 m/min
Maximum flat embossing speed type EGV *: 350 mm version only	Up to 50 m/min
Maximum flat screen-printing speed SP *: for the 2 versions 350 mm and 450 mm	Up to 25 m/min
Maximum die cutting speed in mechanical rotary mode *: for the 2 versions 350 mm and 450 mm	Up to 200 m/min
Maximum die cutting speed in registered servo-rotary mode *: for the 2 versions 350 mm and 450 mm	Up to 150 m/min
Maximum die cutting speed in registered semi-rotary servo mode *: for the 2 versions 350 mm and 450 mm	Up to 70 m/min
Maximum flatbed die cutting speed DGV *: 350 mm version only	Up to 50 m/min
Variable-format sheet output: minimum/maximum format: for 2 versions 350 mm and 450 mm	From 100 mm to 500mm
Registration accuracy for all modules : for the 2 versions 350 mm and 450 mm	+/- 0,125mm
Industry 4.0: for the 2 versions 350 mm and 450 mm	•

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

Multi-process ICON platform **ICONCEPT** for value-added printing, finishing and converting

Finishing and converting processes

- Compact or extended unwinders 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 , razors blades , pressure knives, underscoring, or shear knives with automatic positioning.
- Single and dual 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.
- Roll to sheet output with conveyor.

Printing processes and added value

- 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 printing on adhesive side.
- Laminating and cold foil stamping.
- Inkjet printing for variable data.
- SP flatbed screen printing with UV / LED / hot air / IR air / IR.
- Silk-foil printing process (heat lamination of foil after screen printing).
- HGV flatbed foil and embossing with foil saver.
- Optional rotating head on the flat bed hot stamping HGV module for transversal foil.
- Flat embossing type EGV.
- Semi-rotary hot foil stamping with foil saver.
- Applications modules for coupon labels, booklets and labels dispensing.
- Parts removing system.

