

TECHNICAL SPECIFICATIONS • ICONCEPT

| | |
|---|---|
| Minimum / maximum web width | 100 / 350-450 mm |
| Minimum / maximum web thickness | 30 / 250 microns |
| Unwinder / rewinder diameter (others as option) | 800 mm / 500 mm (2 shafts) |
| Flexo printing cylinder sizes | from 12" to 24" |
| Varnishing cylinder stop in the gap between 2 labels | • |
| Lamination and cold foil unwinder / rewinder diameter | 400 mm |
| Maximum silkscreen printing format (width x length) | 340 x 340 / 440 x 440 mm |
| Maximum format semi-rotary hot stamping (width x length) | 330 x 230 mm |
| Maximum format flatbed embossing and hot stamping (width x length) | 340 x 330 mm (max. 40% of the surface) |
| Maximum format flatbed embossing and hot stamping with the rotary head in cross foiling position (width x length) | 340 x 240 mm (max. 40% of the surface) |
| Flat bed hot stamping, embossing and die cutting stations pressure | 50 Tons |
| Die cutting cylinder sizes available in rotary or semi-rotary mode | from 12" to 25,5" |
| Waste roll maximum diameter | 650 mm |
| Maximum speed flexo full rotary (mechanical or servo with automatic registration control) * | 150 mt/min |
| Maximum speed flexo semi-rotary mode (with automatic registration control) * | 60 mt/min |
| Maximum speed flatbed hot stamping HGV * | 45 mt/min |
| Maximum speed flatbed embossing EGV * | 50 mt/min |
| Maximum speed flatbed silkscreen printing SP station * | 25 mt/min |
| Maximum speed full mechanical rotary die cutting mode * | 200 mt/min |
| Maximum speed full servo rotary die cutting mode (with automatic registration control) * | 150 mt/min |
| Maximum speed servo semi-rotary die cutting mode (with automatic registration control) * | 70 mt/min |
| Maximum speed flatbed die cutting station type DGV * | 50 mt/min |
| Slitting processes: | Option • |
| shear knives, razor blades, crush knives, underscoring | |
| Twin labels, coupons, and leaflet insertion modules | Option • |
| Registration length accuracy (machine & each module) | +/- 0,125 mm |
| Pre-register gap to gap | • |
| Industry 4.0 | • |

* Speed according to process, repeat size, die matrix, substrates, inks ...



ICON LINE MULTI-PROCESS PLATFORM
FOR ADDED VALUE LABELS PRINTING AND CONVERTING

ICON LINE MULTI-PROCESS PLATFORM ICONCEPT FOR ADDED VALUE LABELS PRINTING AND CONVERTING

The ICONCEPT line is the most advanced model of the ICON multi-process platform range for added value labels printing and converting, and integrates a large choice of modules completely servo-driven and independent for repeat length printing as well as registration.

- Compact and large **unwinder** versions with 3 diameters available (850 / 1000 / 1200 mm).
- **Flexo unit** in full rotary, servo full rotary and full servo semi rotary versions.
- **UV/LED curing** and **IR/hot air drying** systems.
- **Laminating** and **cold foil**.
- **Inkjet printing module**.



ICON LINE MULTI-PROCESS PLATFORM ICONCEPT FOR ADDED VALUE LABELS PRINTING AND CONVERTING

The ICONCEPT line is the new multi-process platform to print and convert high-end added value adhesive labels as it can combine every module to answer the needs of different markets applications. The platform is also modular and compatible for retrofit with all the modules from the ICONVERT and ICONCONTROL lines.

- **Flatbed hot stamping/embossing** HGV with foil saver.
- **Rotary head** for cross foil or hot stamping & embossing on the same path with foil saver and **dual heating zone for simultaneous hot foiling and embossing**.
- **Flatbed embossing** EGV.
- **Semi-rotary hot stamping** with foil saver.

- **Flatbed silkscreen** printing SP.
- **UV/LED curing** and **IR/hot air drying** systems.
- **Silk foil printing** process.
- **Twin labels or coupons** module and leaflet insertion module.
- **Die cutting** unit in servo **full** or **semi-rotary** version, or **flat bed** die cutting DGV version.
- **Pressure gauge** for rotary and semi-rotary die cutting unit.
- **Automatic variable gap system** for rotary and semi-rotary die cutting unit.

- **Waste matrix** rewinding with pressure arm.
- **Viewing, control** and **100% inspection** with a large range of camera systems.
- **Slitting unit** with interchangeable shear knives or razor blades cassette, crush knives, underscoring for trim edges, automatic shear knives positioning set-up.
- **Rewinding** unit with 1 or 2 shafts to rewind reels alternatively or simultaneously.
- **Semi-automatic turret** rewinder 2 shafts.
- **Non stop** rewinder 2 shafts and 4 shafts.
- **Sheeter** with conveyor: repeat size from 100 to 500 mm.