



Helios

...greater flexibility and simplicity in your pre-press operation

Advantages:

- high speed engraving
- easy to use
- consistent quality
- quality reproduction over longer runs with flexo and letterpress
- ideal for RotaMesh®
- simple changeover
- environmentally friendly
- economical
- only two process steps
- error reduction
- excellent repeatability



Helios serves all label and narrow web applications.

The Helios is the first hybrid engraving solution in the market. This direct laser engraving system allows flexo, rotary screen, dry offset and letterpress for-

mes to be engraved fully digitally in a single step. Further-more the system offers sleeve and plate engraving in one unit. It offers label printers everywhere enhanced quality and a much shorter, simplified workflow when producing printing forms. Response time is reduced which increases

flexibility to customer demands, without compromising on quality.

However most important laser enhanced processes have a wide reputation for their stability so that high reproducibility can be achieved with this chemical free system.

Technical specifications

Helios 6010 / 5810

Laser	CO2 single beam 500 W / 250 W
Resolution	adjustable up to 2540 dpi
Raster	up to 60 L/cm (flexo), 70 L/cm (letterpress)
Surface speed	max. 18 m/sec at 2032 dpi
Revolution speed	100 - 2400 rpm
Productivity*	up to 0,8 m ² /h at 1270 dpi at 500 W up to 0,5 m ² /h at 2032 dpi at 500 W up to 0,35 m ² /h at 2032 dpi at 250 W
	(*... is depending on material, relief depth, raster and resolution)
Dotshape and steepness	operator controlled
Smallest unsupported dot	20 μ (below surface dot is possible)
Engraving depth	operator controlled
Supported data formats	*.tif, *.pdf, *.lyr, *.bmp and others

Flexo plates / letterpress

Engraving length	max. 720 mm = 28"
Repeats	R 267 - 1206 mm ~ 10,5" - 47,5"

Flexo sleeves

Fast changeover system	
Sleeve outside diameter	from ø 85 up to ø 385 mm (on request)
Sleeve length	150 - 720 mm

RotaMesh® / RotaPlate®

Engraving length	max. 30" (incl. end rings type RSI), 20" (excl. end rings)
Repeats	R 12" - 36"

Dimensions / Weight 6010	LxWxH: 2700 x 1130 x 1285 mm / 1500 kg
Power supply	3x400V - 50Hz - 14 kVA (6010) 3x400V - 50Hz - 12 kVA (5810) (incl. chiller, without suction unit)

Engravable materials:

Flexo plates, flexo sleeves, letterpress, dry offset, RotaMesh® and RotaPlate®



RotaMesh®



Relief printing plates



Relief printing sleeves



Polymer-Letterpress-plate

www.directengraving.com

This data in this brochure was valid at the time of publishing, and is subject to change without notice. Stork reserves the right to modify its products at any time without further obligation.

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