



HELIOLAS

Our machine concept HELIOLAS offers performance in the starter price segment. This means proven standard technology for engravings. Optionally for direct laser, anilox or LAS applications.

HELIOLAS machines stand for experience, precision and reliability. Despite the uniform machine size, they enable the processing of big and small cylinders. Always in usual high quality.

For the most common engraving tasks, the customers can choose between three machine types with one, two or four beam technology. The spot size is around 10 µm.

MACHINE FEATURES

- ✓ One machine size
- ✓ Machine bed made from steel, filled with special concrete
- ✓ Bearings equipped with precision spindle ball bearings
- ✓ Servo motor with belts for the cylinder drive
- ✓ Precision spindle with length measuring system for the feed

HELIOLAS:

- ✓ Imaging of printing and embossing cylinders:
 - 4 beam technology for ablating black laser lacquer (200 W laser power)
- ✓ Combined with coating and etching: Processing of steel and copper cylinders

HELIOLAS AX:

- ✓ Engraving of anilox screen rollers with 4 beam technology
 - (max. 2 x 400 W laser power in Ti203 ceramics)

HELIOLAS DIRECT:

- ✓ Direct engraving of embossing cylinders with 2 beam technology (max. 2 x 250 W laser power)
- ✓ Typical cylinder surfaces for embossing applications: copper, steel, aluminium

TECHNICAL DATA

Features	Heliolas	Heliolas AX	Heliolas DI
Bed size	5000 mm	5000 mm	5000 mm
Cylinder diameter	50 to 500 mm	50 to 500 mm	50 to 500 mm
Cylinder length	up to 3700 mm	up to 3700 mm	up to 3700 mm
Laser sources	1	1 or 2	2
Laser types	CW	CW	PS (NS)
Max. laser power	200 W	400 W	500 W
Beams	4	1 or 2	2
Spot size	10 µm	10 µm	10 µm
Options		•	
Adaptations			
App. Lacquer	•	•	•
App. Metal direct			•
App. Anilox		•	
App. Rubber	•		
App. Security			