SecuriX Engraver

SecuriX Engraver		
Application	Security Printing	
Max engraving length	1.000 mm	2.000 mm
Max engraving width	1.250 mm	1.250 mm
Available DPI resolution	2540/5080/10160	2540/5080/10160
Engraving speed	6 m/sec	6 m/sec
Laser power	up to 2.000 W	up to 2.000 W
Head system	Fiber Laser	Fiber Laser
Beams / Nozzles	1-2	1-2
HighSpeed	HighSpeed Switch	HighSpeed Switch

*for other machine sizes please contact us

SecuriX Engraver

DROP EPDM Material Types

DROP FlexPlate
elastomer printing plate used in flexo prin-ting

• Specially for flexible packaging, labels and tissue.
• For water, - solvent and UV based ink systems.

DROP DryPlate
elastomer printing plate used in dry-offset printing

• Metal deco, tube and cup-printing. Available in different shore hardness.
• Suitable for solvent- and UV-based ink systems.

EPDM/NBR material has a benefit to polymer in long run printing. Manual or automatic washing with pure water.

DROP SecPlate
for security printing

• A black nitrile rubber with a fabric backing.
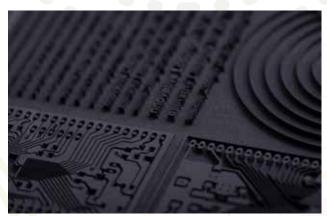• Main application is security printing for highest quality and long life.

DROP Coat Plate
elastomer printing plate for Varnish/Coating applications.

• It is a versatile product that works as well with high end-quality packaging, as it does with spot coatings and pressure.
• Packaging with spot coatings and pressure-sensitive adhesives.
• Suitable for water-based, solvent-based and UV coatings.

Resolution up to 10.160 dpi
Smallest font size 1 pt in positive and negative
Finest line 0.01 mm

Easy handling, compact design, fast and high-quality engravings: This is what distinguishes our SecuriX Engraver. With either fiber laser or C02 technology with multi-beam technology, the machine is suitable for dry offset engraving or label printing as well as 3D engraving and packaging printing of EPDM / NBR plates, sleeves and cylinders.

250 L/inch can be realized with 5.080 dpi. Undercut, variable shoulder settings, the intelligent Easy Template software, a user-friendly interface and many other software tools simplify the handling of the machine.

Individual requirements, such as the integration of the respective national language into the control panel, can also be implemented.
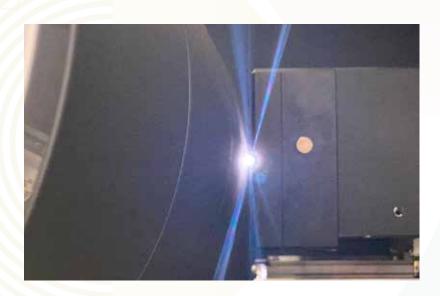
The production of our hard- and software is possible in the factory in Germany.

STEPS	POLYMER TECHNOLOGY	EPDM TECHNOLOGY (NEW)
1	DTP WORKSTATION	DTP WORKSTATION
2	Back side exposure	Plate mounting directly on printer adapter
3	Mask exposure	3D engraving
4	Main exposure	Washing with water, ready for printing machine
5	Developing and washing	
6	Dry plates	
7	UVA surface hardening	
8	UVC surface hardening	
9	Cutting plates	
10	Register holes	
11	Plate mounting on printing adapter	
12	Ready for printing machine	
	Elaborate, non-standardized board production based on water. Large consumption of energy resources	Standardized plate production with repeatability Guarantee. Chemical-free and low energy resource consumption.

More effective and faster than the Polymer

The SecuriX Engraver workflow compared to the polymer technology

Sustainability & Facts

- less than 30% waste compared to conventional photopolymer flexographic plates

- only 20% of the CO_2 pollution compared to conventional photopolymer flexographic plates

- only 12% energy consumption compared to conventional photopolymer flexographic plates

- No toxic material → house waste

- Solvent free

- Much less steps with EPDM / NBR engraving

- Everybody can handle the engraving

- Proven system

by HANS LÜSCHER .

SecuriX

SecuriX is a brand of drop international trading ag

DROP®
by *Hans Lüscher*