







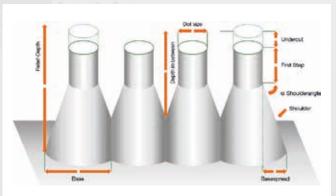
FIBER LASER ENGRAVER

Our newest product is the Fiber Laser Engraver for Flexo. Engraving resolutions up to 5,080 dpi with 1 – 2 beams give our customers new possibilities to engrave flexo plates, sleeves or cylinder with up engraving is available.

COSMOS LASER FLEXO

Easy handling, compact design, fast and high-quality engravings: This is what distinguishes our Cosmos Laser Flexo. With either fiber laser or CO₂ technology with multi-beam printing of EPDM plates, sleeves and cylinders. 100 L/cm can ving results can be achieved at high switching speeds. be realized with up to 5,080 dpi.

We have the right machine version for every customer: produces fine engravings up to 2,540 dpi. Like all our laser implemented.





technology, the machine is suitable for dry offset engraving engraving machines, this is equipped with an acousto-optior label printing as well as 3D engraving and packaging cal modulator (AOM). With this technology, the finest engra-

Undercut, variable shoulder settings, the intelligent Easy Template software, a user-friendly interface and many other with up to 2000 watts, with single or double beam technology. For customers who want to engrave silicones or other vidual requirements, such as the integration of the respecnon-fiber materials, we offer powerful Sealed CO₂ laser that tive national language into the control panel, can also be

COSMOS LASER SCREEN

The Cosmos Laser Screen shows new possibilities of screen engraving. With a resolution of up to 2,540 dpi, our screen engraving is suitable for the highest demands and effective production. The highlight of our system: No external gas is required. This significantly reduces operating costs compared to conventional systems.



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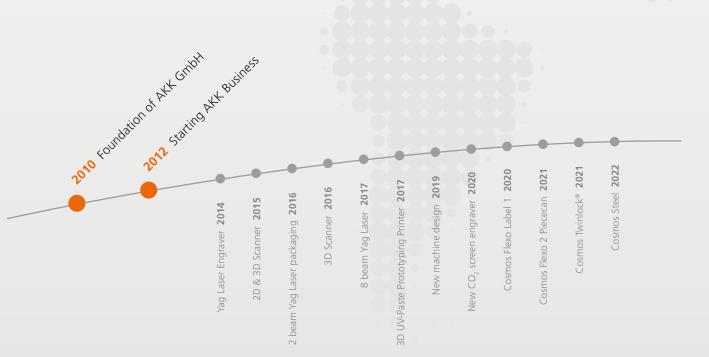
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High performance products You prefer, we provide.

covers any kind of solution to engrave or produce embossing cylinders, plates or molds. Different ways of engraving such as direct laser engraving, etch each customized application. To fulfill our product

range for the embossing we offer a high quality 3D scanner. For Prototyping we offer machines with up resolutions up to 5,080 dpi with 1-2 beams give our sleeves and cylinders with up to 200 Lpi. As well a CO₂ Laser for Flexo and Screen Engraving is available. AKK templates and software to improve your process.







EPDM technology

THE COSMOS FLEXO WORKFLOW COMPARED TO THE POLYMER TECHNOLOGY

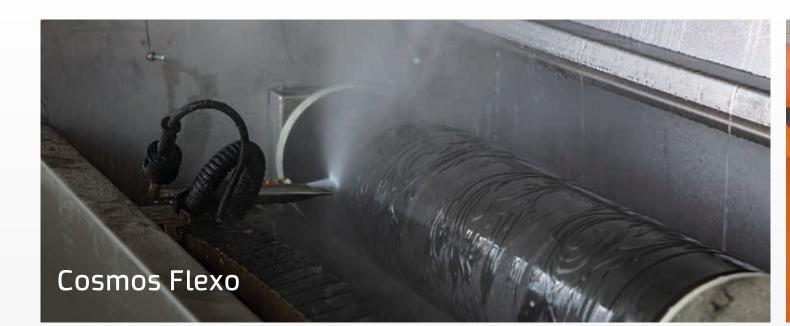
		NEW
STEPS	POLYMER TECHNOLOGY	EPDM TECHNOLOGY
1	DTP workstation	DTP workstation
2	Back side exposure	Plate mounting directly on printing adapter
3	Mask exposure	3D engraving
4	Main exposure	Washing with water, ready for printing machine
5	Developing and washing	
6	Dry plates	
7	UVA surface hardening	- Five
8	UVC surface hardening	More effective
9	Cutting plates	More effective and faster than the Polymer!
10	Register holes	fliero
11	Plate mounting on printing adapter	
12	Ready for printing machine	



Elaborate, non-standardized board production based Standardized plate production with repeatability



on water. Large consumption of energy resources. guarantee. Chemical-free and low energy resource consumption.











PRODUCTION

- Standardized digital plate production
- ✓ No fluctuations within the plate production
- ✓ Significantly less waste
- Very low cleaning and maintenance costs (approx. 5 minutes per day)
- ✔ Printing personnel can procedure clichés printing plates themselves
- ✓ Manufacturing process free of toxic materials
- ✔ Production of low-cost, high-quality printing plates
- ✓ Lower total production costs EPDM vs. polymer

ENVIRONMENT

- ✓ No use of hazardous substances
- ✓ No polluting exhaust gases during production
- ✓ No waste to be disposed of after use
- ✓ No chemical cleaning agents necessary
- ✓ Lower CO₂ consumption during production compared to the polymer plate process



Precise engraving without mounting

LESS REJECTS. LESS TIME. RESOURCE SAVINGS.

Step 1

The EPDM plate is glued directly onto press adapter. The precise mounting of the plate after the engraving process is no longer necessary.

Step 2

The engraving is done directly in register in the Cosmos Flexo Laser. The plate prints directly with a perfect fit. No further registration necessary.

Step 3

Cleaning of the impression cylinder adapter with EPDM engraved plate in the washing machine only with water. Flitering of coarse particles, residual water harmless.

Step 4

Ready for printing! The plate is reusable, storable and can be disposed eco-friendly (household waste).

