

## COMBINATION LASER/TAMPON PRINTING



LASER/TAMPON PRINTING COMBINATION



**Permanent high-quality marking**

**Multi-colour decoration of ultra-smooth surfaces**

**Fully or semi-automatic process**

ORIGINAL

**TAMPOPRINT**

Tampon printing machine  
Laser systems  
Automated systems  
Digital Ink-Jet systems

# LASER/TAMPON PRINTING

# APPLICATION PROFILE



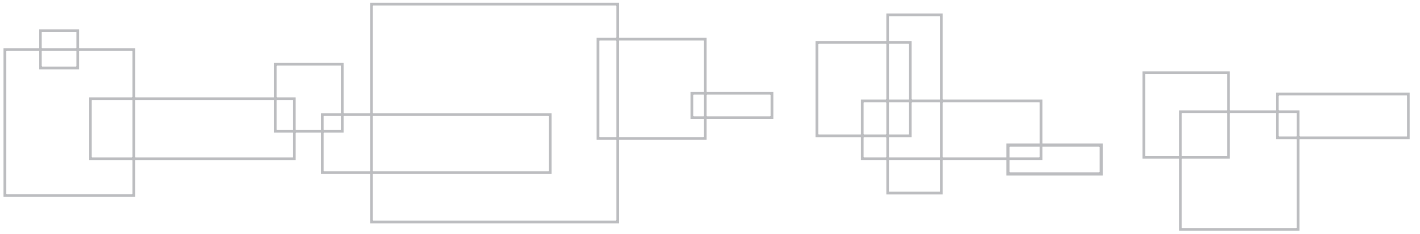
Sanitary fitting



Sanitary fitting



Shell tools

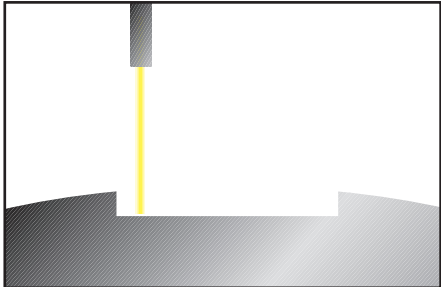


**Two technologies combined**

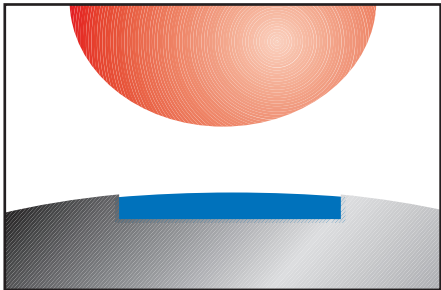
It is like in real life: some things are best done as a team. Decorating extremely smooth surfaces is one of them. In order to achieve a brilliant printing result on chromium, for example, two completely different procedures must work together: laser technology and tampon printing technology. Both areas are the core competences of the TAMPOPRINT company.



Large selection of combined laser/tampon printing systems



Surface is pre-treated with laser (deepened)



Pre-treated surface is printed

**Best of both worlds**

It is a prerequisite for marketing a brand name that the corresponding product carries its name. This doesn't only apply to cars and chocolate bars, but to plumbing accessories or tools as well. But now try to print directly onto such products – and in different colours. You will see that chromium or similar surfaces are simply too smooth to allow high-quality and abrasion-resistant printing results. A laser, on the other hand, is able to make permanent markings, but cannot offer colours – apart from chemical reactions.

ser/tampon printing machine from TAMPO-PRINT. The laser unit starts processing the components by roughening the surface of the areas intended for colour printing with precise outlines. Now it is easy for the tampon printing units to decorate the "pre-treated" areas in the desired colours. The procedure really is as simply as described. Even more so as software components specially developed for this application area, leave nothing to be desired in terms of user friendliness and flexibility.

The solution to the problem is not that difficult if you make use of a combined la-



# TECHNICAL

# DATA

## Combination Laser/tampon printing

Output (dependent on size and volume of graphic)	3 - 7 seconds
Automated system control	PLC
Laser control	Windows 2000, TP_ALFA
Connected load (dependent on laser type)	Approx. 8 kW
Supply voltage V/phase/Hz	400/3/50
Control voltage	24 V DC
Pneumatic supply (fine filter 5 µm)	6 bar
Length (dependent on model)	Approx. 3,500 mm
Width	Approx. 2,050 mm
Height	Approx. 1,900 mm

## Agent:



Further informations about Hard- and Software of the Alfas components on request. The reproduction of trademarks and brands used in this brochure, even if not explicitly expressed, does not justify the assumption that such names or symbols may be considered as free as defined by the trademark law and may therefore freely be used by anybody. The rights are property of the respective owner.

TAMPOPRINT products are permanently updated to keep pace with the latest technological developments. For this reason, figures and descriptions are non-binding.

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