

MOF Laser System



LASER MARKING PAD PRINTING CONSUMABLES SERVICE

High-speed marking
Trendsetting technology
A wide range of applications

Laser Systems

MOF Series

The MOF series is based on the “mark on the fly” laser process (synchronized laser marking on moving products). This process is designed for high-speed product customization and therefore offers a wide range of cross-industry applications for this laser technology (e.g. anti-piracy, traceability, promotions, scale markings, etc.). Tamper-proof markings can be applied quickly and precisely to a wide variety of materials using laser marking. “Mark on the fly” is enhanced by our MOF MULTI laser application, which uses up to four lasers with just one single piece of software. Up to four individual laser motifs are marked simultaneously on just one component.

Depending on the application, these TAMPOPRINT systems are available with durable and low-maintenance UV or fiber lasers with different outputs. The suitability for product individualization is determined with a specific process study.

Depending on customer requirements, the MOF series is available as a stand-alone version or as a system component for existing production lines. Thanks to its simple

plug-and-play installation, it can be put into operation quickly. TAMPOPRINT offers competent support via remote maintenance.

The heart of the MOF series is the TAMPOPRINT Laser Suite software developed by TAMPOPRINT. The user-friendly software is self-explanatory. It is intuitive to learn and offers special applications with which jobs can be carried out quickly and reliably. Software functions specially tailored to the application ensure optimum performance and quality of the overall system.

The MOF series has been successfully established as MOF-PROMO HP in the beverage industry. Its main field of application is the internal and external marking of beverage closures of all kinds, e.g. marking for competitions. The output capacity of the MOF-PROMO HP is up to 2,500 laser marked closures per minute. Well-known producers in the packaging industry worldwide use the TAMPOPRINT MOF technology in their production chain.



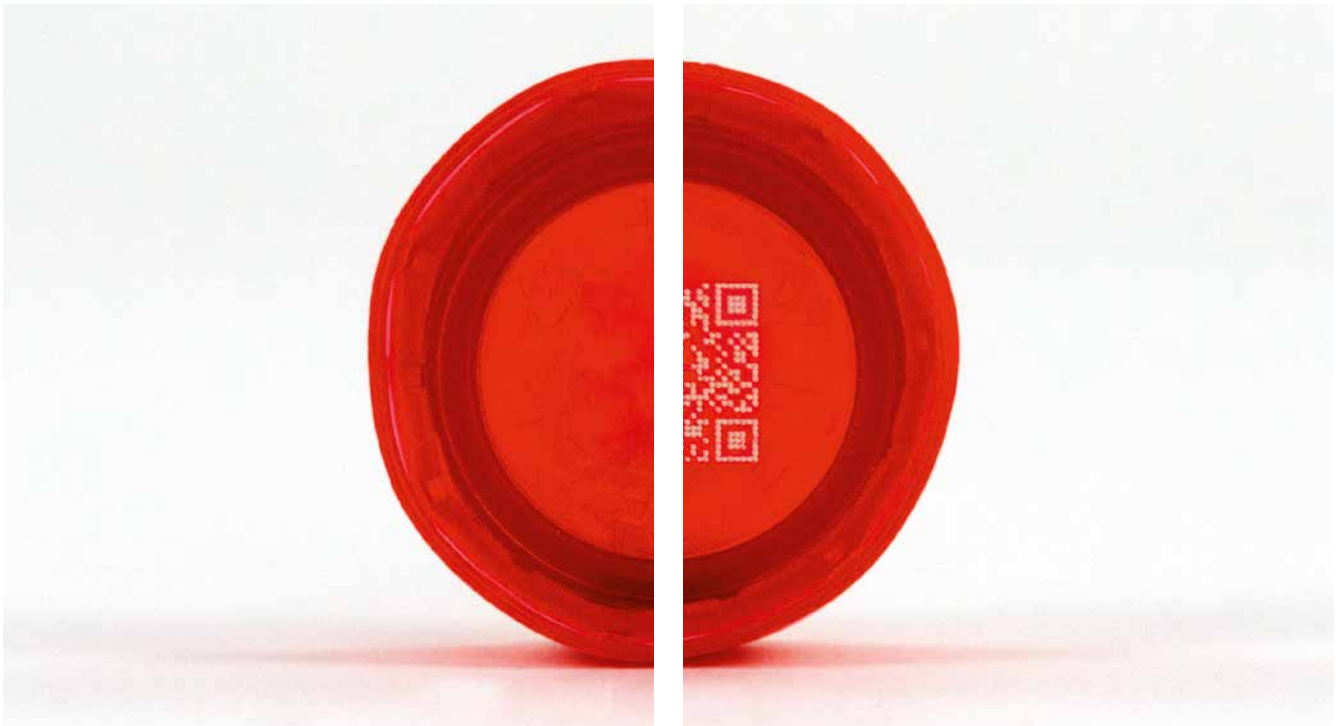
MOF-PROMO HP
Working area



Application MOF MULTI
Up to 4 marking positions at the same time on 1 component

MOF Series

Focused on motion



With laser marking
it will be individual

Laser Systems

MOF Series

Depending on customer requirements, the MOF series is equipped with a powerful 100 watt or 200 watt fiber laser or a 20 watt UV laser and can be optionally extended with a camera inspection system. This is used to check the quality level of the product at process speed. The MOF can also be expanded to meet customer-specific requirements.

With an extensive range of accessories, TAMPOPRINT focuses on special systems that enable individual customer solutions and are perfectly tailored to the respective application. For example, the MOF-PROMO HP achieves high-speed automation performance data thanks to fully automatic sorting, infeed and outfeed components.

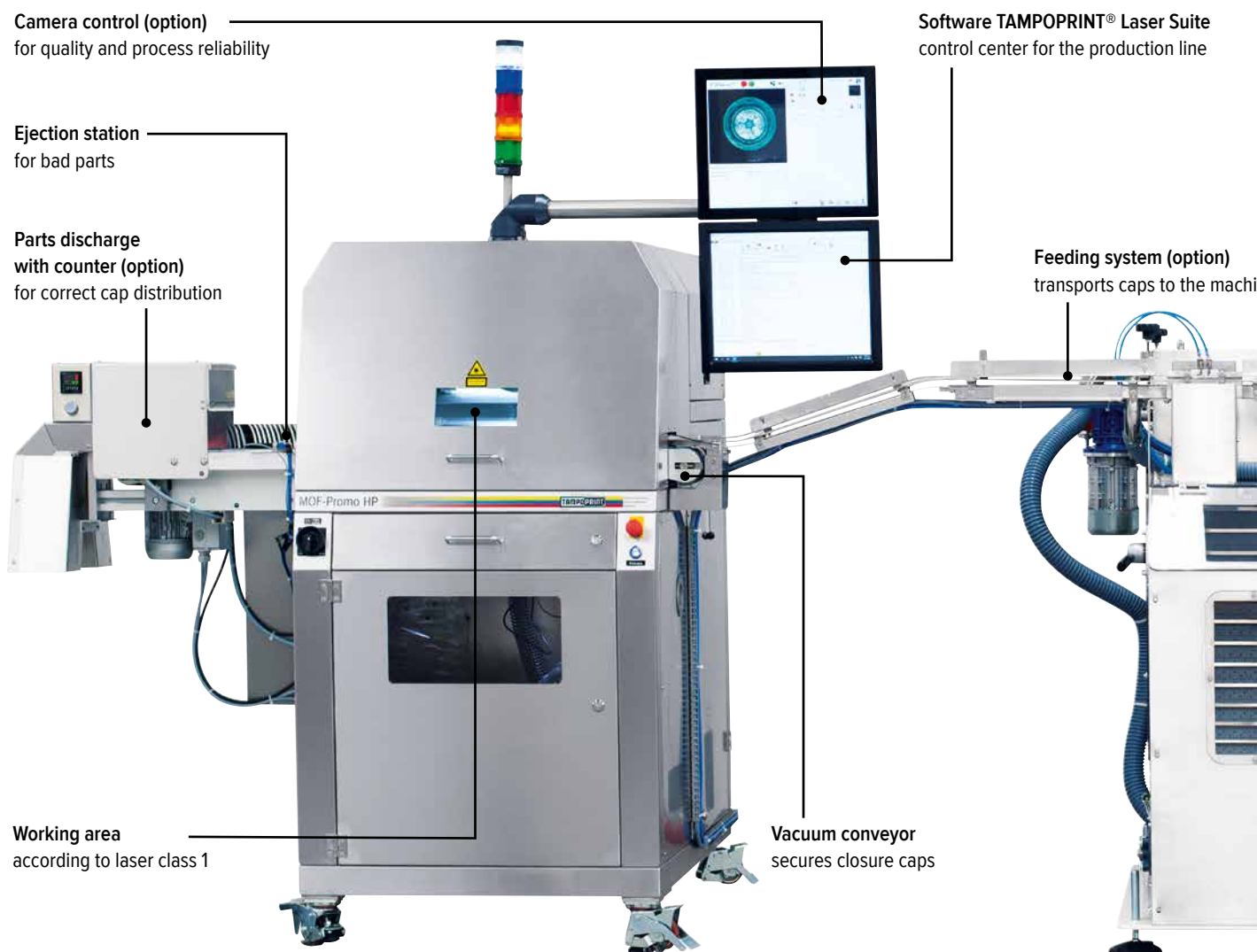
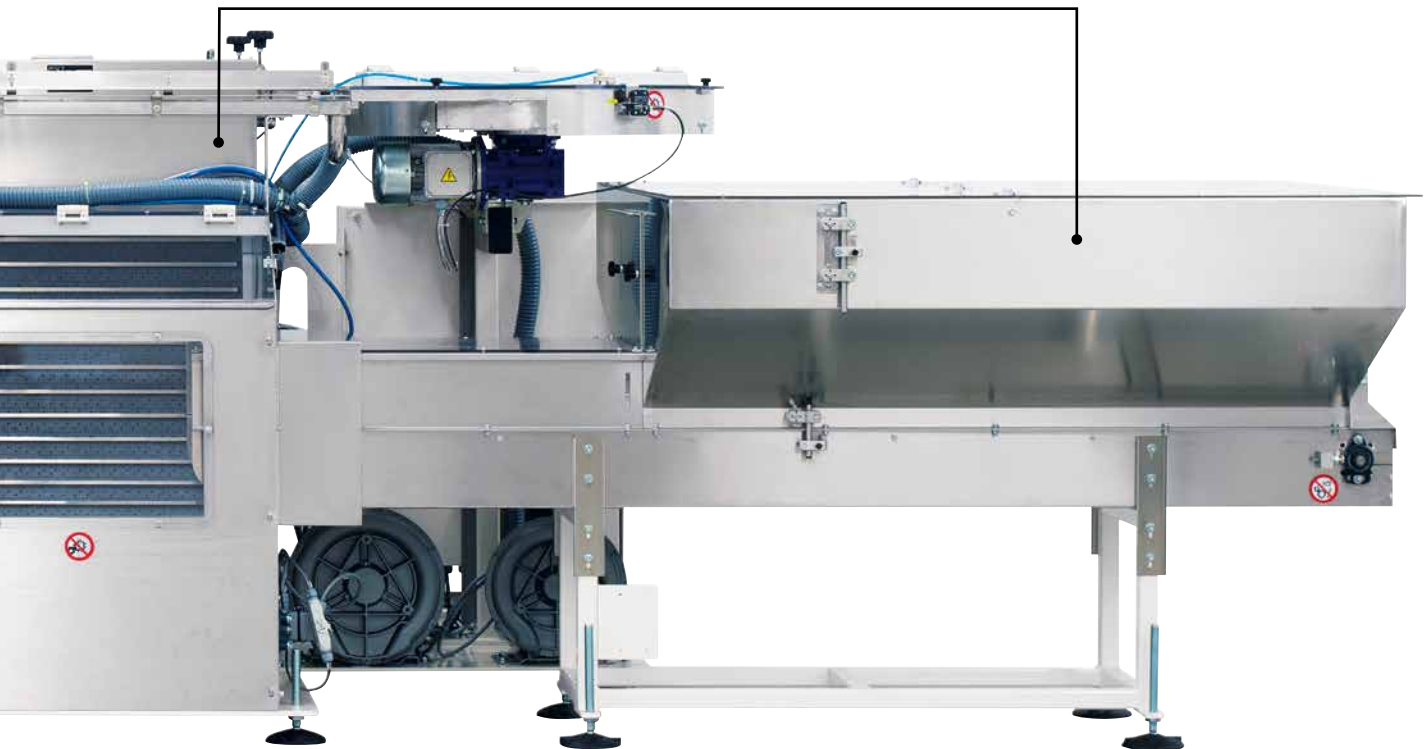


Illustration: Application example MOF-PROMO HP 200 for closure cap marking

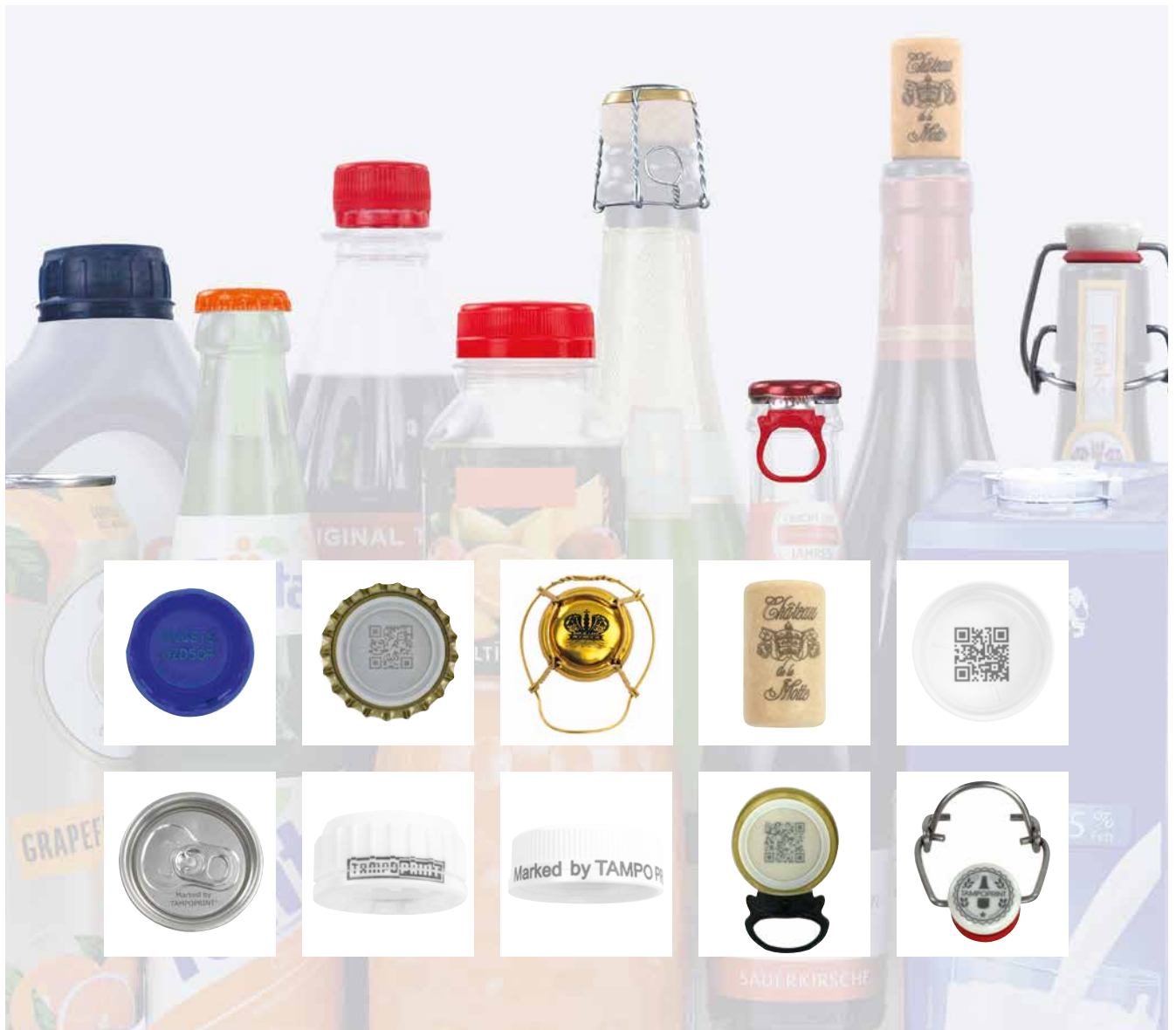
The determination of the specific output capacity of the MOF series depends on several factors. Decisive for the marking speed are the marking volume, the product shape and color as well as the material properties. To find the perfect laser solution for an application, tests are carried out with customer-specific parts. The laser application

technology department at TAMPOPRINT supports customers in advance with process studies and determines the right laser solution specifically for your application. Based on the reference samples produced, realistic statements about performance and quality are made.

Sorting elevator and hopper (option)
for damage-free movement and storage of the closure caps



MOF Series



MOF-PROMO HP – Application for the beverage industry

Versatile and individual laser marking on many different materials
(e.g. QR codes, alphanumeric and symbolic labeling)

Laser Systems

MOF Series

MOF application
on metal in combination with pad printing



MOF application for the med-tech industry
on plastic or glass



MOF application for the household appliance industry
on plastic



MOF application for the food industry
on plastic



technologies for your future

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All locations are certified ISO 9001:2015

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