

Pad Printing
Laser Systems
Inkjet Systems
Automations



MONOLIGHT Space Laser System



LASER MARKING PAD PRINTING CONSUMABLES SERVICE

Four beam source options

Automatic height adjustment up to 380 mm

Available in two versions

MONOLIGHT Space

Unlimited Options

Flexible stand-alone laser system

The MONOLIGHT Space laser system is available in two versions: either with a rotary indexing table or an electric lifting door. It is also possible to choose between different beam sources such as fiber lasers, CO2 lasers or UV lasers in different power levels. This means that the MONOLIGHT Space can be flexibly and optimally adapted to the respective product requirements.

Thanks to the electrically adjustable Z-axis, the machine enables effortless laser marking on different levels and guarantees precise processing even for workpieces with variable heights. It is conveniently controlled via the pre-installed TAMPOPRINT Laser Suite software, which ensures user-friendly and efficient operation.

Machine highlights

- Beam source options:
 - Infrared laser, UV laser, CO2 laser, USP laser
- Available in two versions:
 - Rotary indexing table and electric lifting door
- Software TAMPOPRINT® Laser Suite
- Automatic height adjustment up to 380 mm
- Base plate with a work surface of 800 x 600 mm (with lift door version)
- Scan head with lens
- The conditions of laser class 1 are fulfilled
- 2-hour training via TeamViewer



MONOLIGHT Space
with monitor and keyboard (scope of delivery)
Optional accessories: Suction and filter unit

MONOLIGHT Space

Versions & Options



Rotary indexing table variant for increased production volumes

Rotary indexing table version

In the rotary indexing table version, a 2-slot plate that rotates 180 degrees ensures maximum efficiency: while a part is being lasered in the cabin, the finished part can be removed and a new one inserted. The rotary table ensures a seamless parallel process.

Lifting door version

The MONOLIGHT Space with electric lifting door also enables larger components to be lasered. A servo-controlled X-Y table is available as an option, which moves inside the laser cabin and enables marking beyond the actual marking area.



Maximum flexibility for every application thanks to various beam source options: Fiber laser, CO2, UV and USP fiber lasers

Options

- Multi cliché adapter plate for TAMPOPRINT standard clichés (for lift door version)
- Suction unit
- Grooved plate (for lift door version)
- Different lenses
- Product-specific workpiece holder
- iTAMPOPRINT software add-on for database connection
- Instruction and training on site at the customer's premises
- Different scan heads
- Servo-controlled X-Y table
- Rotary axis



We are happy to offer you preliminary samples for your application, directly in our specialized laser application technology department!

TAMPOPRINT®



Intelligent Automation

Innovative cobot solutions for combining laser technology and pad printing are convincing thanks to increased efficiency and process optimization.

Pad Printing & Laser Marking

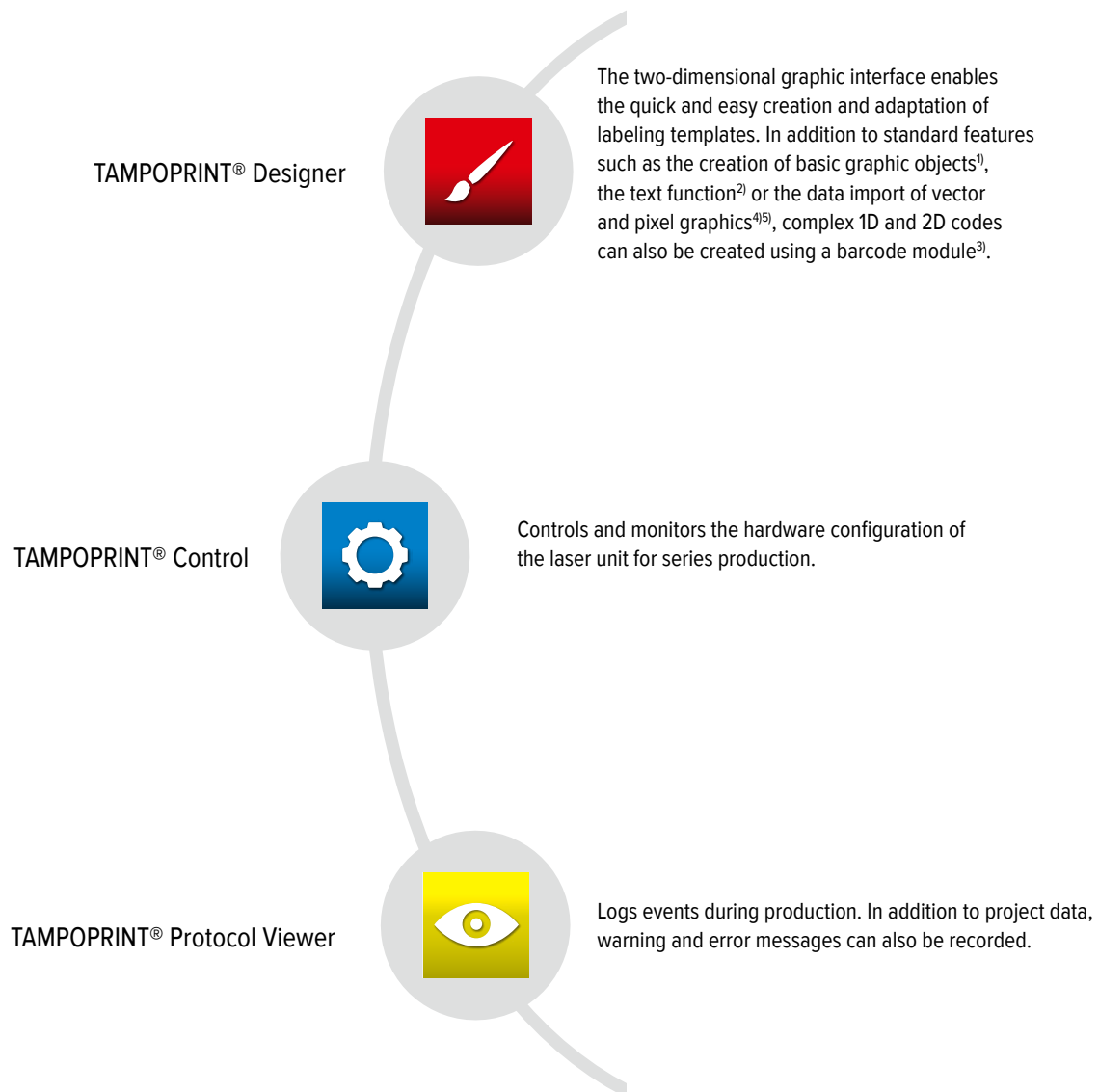


Take production to the next level!
The laser machines of the MONOLIGHT series,
combined with our standard pad printing machines,
open up a wide range of possible applications.

MACHINES

Functions

TAMPOPRINT® Laser Suite



1) Basic objects: Lines, circles, rectangles

2) TAMPOPRINT® Laser Suite supports all TrueType fonts and laser-optimized line fonts

3) Creation of QR code, DMC, EAN13, incl. GS1 specification

4) Vector graphics in format *.pdf, *.eps, *.ai (version 10 or higher), *.dxf

5) Pixel graphics in format *.jpg, *.tif, *.bmp.

Software

TAMPOPRINT® Laser Suite

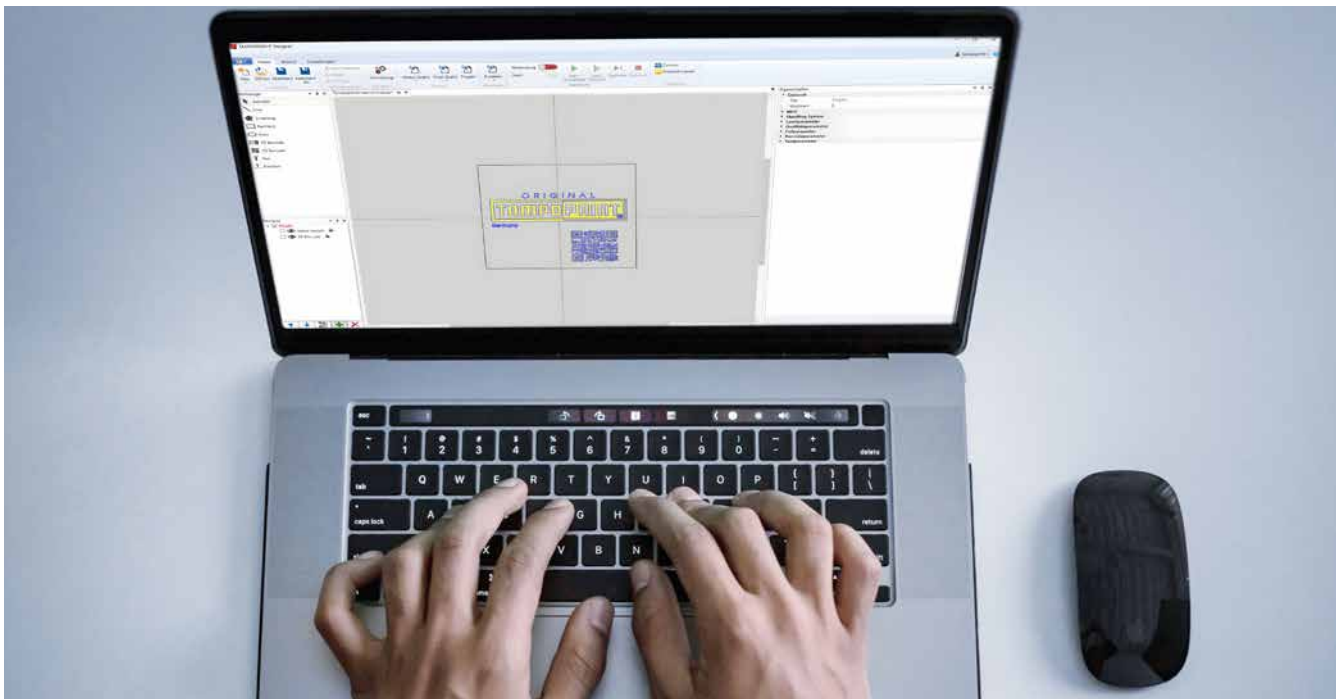
Versatile and precise control of the laser unit

The TAMPOPRINT Laser Suite laser software has been specially developed for laser marking and engraving. The user-friendly interface makes it easy to create templates and quickly configure the laser parameters for optimum marking results.

Graphic basic elements, alphanumeric characters and 2D codes such as QR and data matrix codes can be created in the software. Promotions with variable, lasered information are also easy to implement. The ProtocolViewer provides a chronological overview of all events.

Up to four laser heads can be controlled with the TAMPOPRINT Laser Suite software. This ensures very high speed and performance.

The TAMPOPRINT Laser Suite attaches great importance to data security. All data is protected by a special encryption process. The software is available both directly on the machine as an inline solution and via a PC as an offline solution, which prevents changes to the system and ensures additional protection.



TAMPOPRINT® Laser Suite

Everything at a glance - quick and easy operation thanks to intuitive software interface



Maximum flexibility for any application thanks to various beam source options: fiber laser, CO₂, UV and USP fiber lasers.

Technology

MONOLIGHT Space

MONOLIGHT Space		MONOLIGHT Space lifting door version	MONOLIGHT Space rotary indexing table version
Operating system pre-installed		current Microsoft operating system, multi-language	current Microsoft operating system, multi-language
Application software pre-installed		TAMPOPRINT® Laser Suite	TAMPOPRINT® Laser Suite
Import print image data		Vector line artwork: *.dxf, *.ai, *.pdf, *.eps	Vector line artwork: *.dxf, *.ai, *.pdf, *.eps
Objective		f-Theta 170 / f-Theta 254	f-Theta 170 / f-Theta 254
Labeling area at f=170 / f=254	mm	120 x 120 / 170 x 170	120 x 120 / 170 x 170
Maximum part weight for the standard version	kg	30	Configuration-related
Work surface	mm	800 x 600	Configuration-related
Z-axis stroke	mm	400	400
Laser type		Infrared laser, UV laser, CO2 laser, USP laser	Infrared laser, UV laser, CO2 laser, USP laser
Housing design		complies with laser class 1, DIN EN 60825.1	complies with laser class 1, DIN EN 60825.1
Weight	kg	+/- 500	+/- 500
Connections at the back		USB, network connection, monitor connection, connection adapter for suction filter unit	USB, network connection, monitor connection, connection adapter for suction filter unit
Options		Suction unit ¹⁾ , i-TAMPOPRINT software, multi-cliché plate, grooved plate, servo-driven X-Y table, other lenses on request, workpiece holder on request, other scan head on request	Suction unit ¹⁾ , i-TAMPOPRINT software, other lenses on request, workpiece holders on request, other scan head on request

¹⁾ Space required for extraction filter unit



technologies for your future

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All locations are certified ISO 9001:2015

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