ORIGINAL
TAMPOPRINT®
Germany

MONOLIGHT Compact
Laser System

LASER MARKING PAD PRINTING CONSUMABLES SERVICE

Multifunctional manual workstation
Ideal introduction to laser processing
High flexibility due to availability of several expansion stages

Using laser engraving
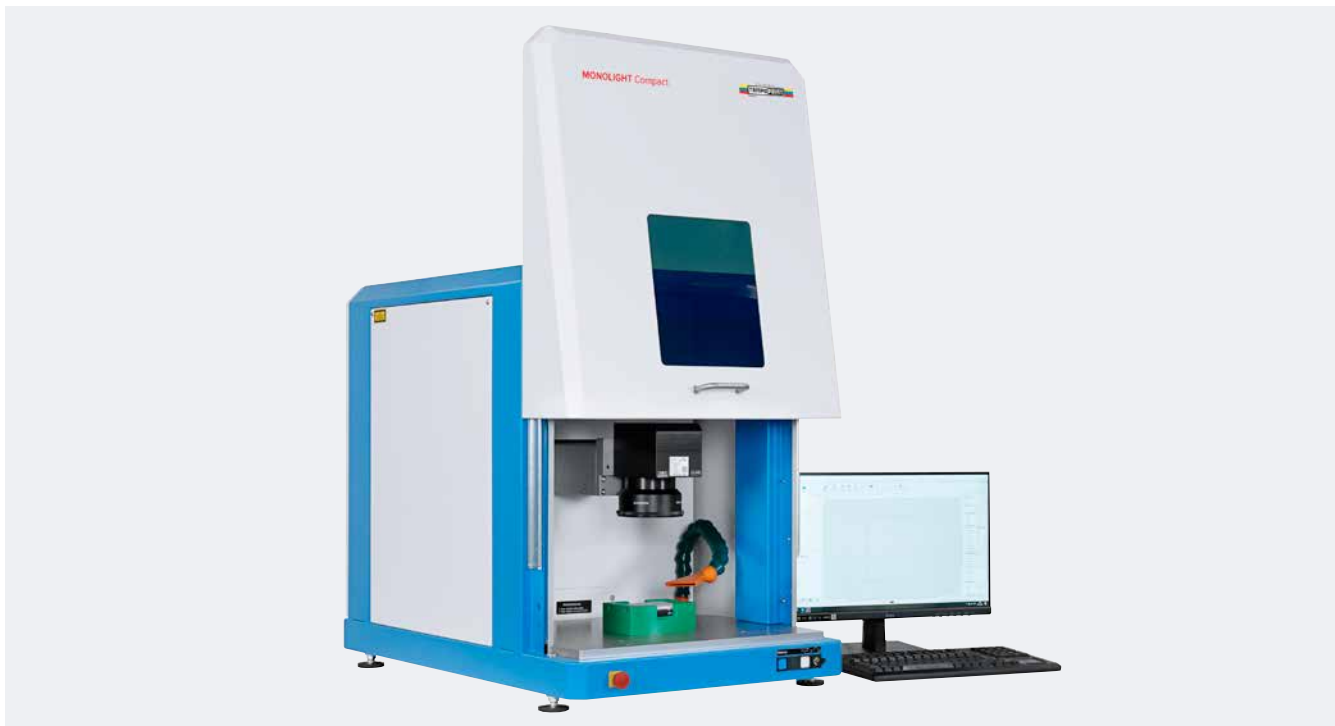fast and easy decoration

MONOLIGHT Compact

The Multitalent

The MONOLIGHT Compact provides you with a powerful tool for making precise and fine markings on smaller components, labeling them or personalizing them. At the same time, it offers you the independence to produce your laser-capable pad printing clichés on your own without having to rely on external service providers.

The compact design and simple operation make the MONOLIGHT Compact extremely user-friendly and enable space-saving integration even in limited workspaces. The special TAMPOPRINT Laser Suite laser software is optimized for laser marking and enables efficient processing of components and clichés.

Depending on your requirements, you can choose between 3 fiber laser powers to achieve the best possible results. The MONOLIGHT Compact is a true multitalent and opens up new possibilities for you in laser processing.

Turn your creative ideas into impressive reality - the MONOLIGHT Compact is your ticket to the world of high-precision laser marking and independent production of pad printing clichés. Discover the versatility and performance of the tabletop laser unit now!

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

Laser System

Industry Solutions

MONOLIGHT Compact
Laser marking on aluminum carabiner

MONOLIGHT Compact
Durable marking of medical tools

MONOLIGHT Compact
Laser marking of large objects (saw blade)

MONOLIGHT Compact
Laser marking of various plastic materials

Laser System

MONOLIGHT Compact

Component marking
For high precision individual laser marking
of components and for small series production

Cliché production
For your own production of laser-capable printing clichés

Scope of supply

PC (integrated in tabletop laser unit)
Monitor
Wireless keyboard
Software TAMPOPRINT® Laser Suite

Accessories & Options

Electric sliding door
Electrical height adjustment
Component-specific jig
Predefined marking areas
Support plate with grooves adjustable to individual requirements
Multi cliché plate
Custom-made mounting plates for third-party formats
Suction and filter unit according to BIA dust class H: Item No. 41 08 86
Software iTAMPOPRINT for working with external data sources

Technology

MONOLIGHT Compact

MONOLIGHT Compact		
Operating system preinstalled		Current Microsoft operating system, Multilanguage
Applications software preinstalled		TAMPOPRINT® Laser Suite
Import print image data		Vector graphics: .pdf, .eps, .ai (version 10 or higher), .dxf pixel graphics: a.o. .jpg, .tiff, .bmp
Object lens		f-Theta 100 / f-Theta 160 / f-Theta 170 / f-Theta 254
Marking area for f=160 / f=170 / f=254	mm	70 x70 / 100 x 100 / 120 x 120 / 170 x 170
Working chamber (Width x Depth)	mm	450 x 350
Pad printing cliché sizes up to max.	mm	300 x 150
Stroke (z-axis)	mm	220
Laser type		SK62, SK65, SK66e
Laser medium		Yb:YAG
Wavelength	nm	1064
Output power	W	< 20 / < 50 / < 100
Cooling		Air
Inspection glass		Yes
Connected voltage +/-10 %		230V/1/N/PE
Housing design		Corresponds to laser class 1, DIN EN 60825.1
Width	mm	580[2]
Depth	mm	910[2]
Height		730[2]/1130[1]
Weight	approx. kg	95
Connections on the rear side of the unit		USB, network connection, monitor connection, connection adapter for suction and filter unit

1) with opened slide door
2) Space requirement without monitor, keyboard, suction and filter unit
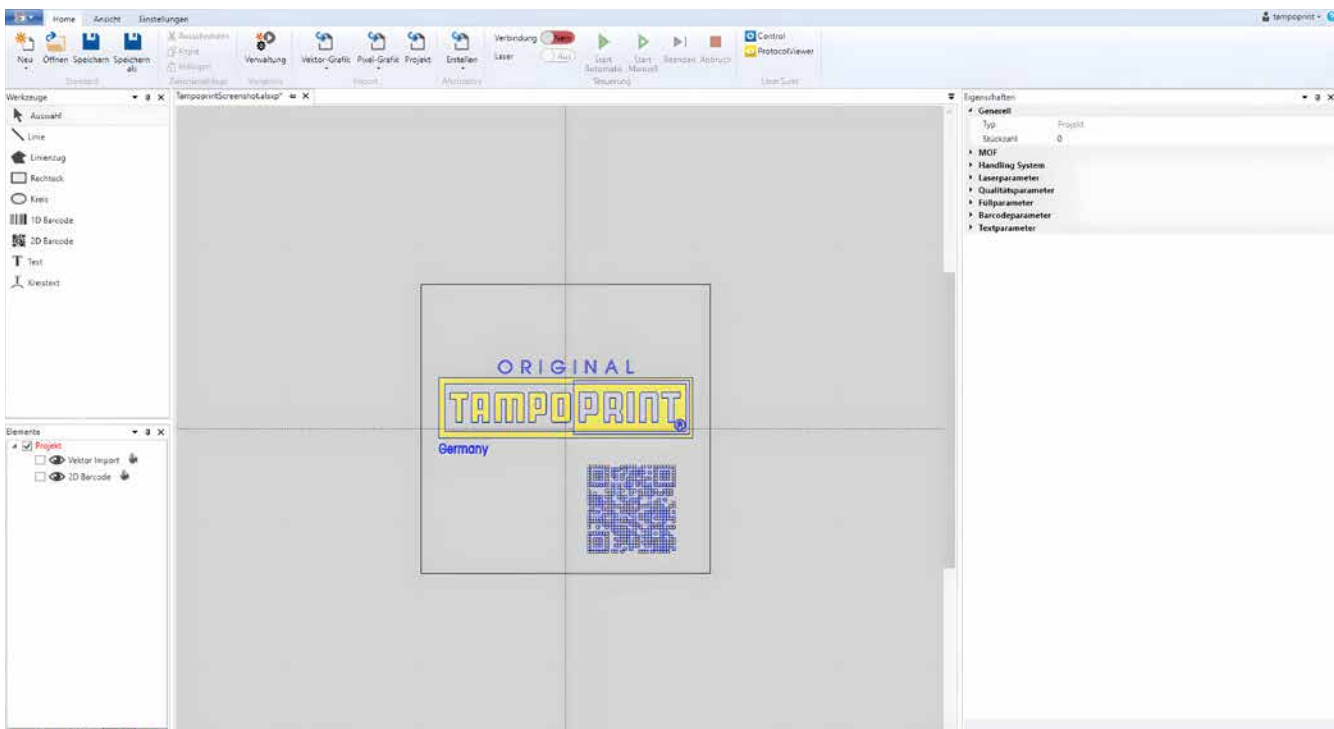
MONOLIGHT Compact

TAMPOPRINT® Laser Suite

Handling made easy

The MONOLIGHT Compact is equipped with the well-proven TAMPOPRINT Laser Suite laser software, which has been specially developed for laser marking and laser engraving. The intuitive and user-friendly software interface makes it easy to create templates and configure the required laser parameters for fast and optimum marking results.

Basic graphic elements, alphanumeric characters and 2D codes, e.g. QR codes or data matrix codes, can be created within the software. The creation of promotions with variable lasered information is also possible in just a few steps. You can maintain an overview of previous and current process steps via the ProtocolViewer window. All events are listed here in chronological order.

Advantages and functions

- Intuitive interface with freely positionable window
- Utilities such as snap, grid and alignment elements
- Direct creation of graphic basic objects
- TrueType fonts & laser-optimized one-line fonts possible
- Barcode modules for 1D/2D codes (incl. GS1 specification)
- Processes vector and pixel graphic import formats
- Laser control including monitoring
- Assignment / setting of the process parameters (laser parameters, filling routines, etc.)
- Overall program user administration (operator, technician, administrator)

TAMPOPRINT® Laser Suite
Everything at a glance - quick and easy operation thanks to intuitive software interface

ORIGINAL **TAMPOPRINT**®
Germany

technologies for your future

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