ALFALAS® MOF SERIES

LASER SYSTEMS

LASER SYSTEMS PROMOTION & DESIGN

ORIGINAL TAMPOPRINT®

Tampon printing machines
ALFALAS® Laser Systems
Automations

MOF-PROMO Plastic closures

- Patented process for promotions in the beverage industry

Fig.: "MOF-Promo" with open cover

Fig.: Marking area

Fig.: Separation

Patented process for the precise and fast laser marking of the inside and outside surface of all kinds of closures for the beverage industry, e.g. laser marking for promotions. Tamper-proof production of large quantities. Output capacity of up to 2.200 laser marked closures in the minute. Fully automatic feeding and discharge of the closures. Marking amount as well as the form of the closures are important factors for the throughput quantity. In individual cases it will be necessary to test the material properties. Thanks to its compact design the "MOF-Promo" can be integrated into existing production lines for all kinds of bottle closures.

Technical data:

Article number		02 99 50
Material		plastic closures
Laser type	SK	96
Wavelength	nm	1.064
Output power	W	90
Parts diameter	Ø mm	up to 45
Marking area	Ø mm	up to 30
Output capacity	parts/min.	up to 2.200
Connected voltage		3/N/PE, 400 V
Connected load	kW	7
Width	mm	2.010 (*2.600)
Height	mm	1.580
Depth	mm	835
Weight	approx. kg	800
Software		TP_mix
Laser class (acc. to DIN EN 60825.1)		1
External connection for suction unit		yes

***Incl. swivel arm**

Options:

- Feeding for bottle closures
- Monitoring function with camera system
- Manual z axis
- External cooling unit

ORIGINAL TAMPOPRINT®

MOF-PROMO Crown corks

- Fully automatic line for the marking of crown corks

Technical data:

Article number		02 99 50
Material		crown corks
Laser type	SK	96
Wavelength	nm	1.064
Output power	W	90
Parts diameter	Ø mm	32
Marking area	Ø mm	up to 19
Output capacity	parts/min.	up to 1.800
Connected voltage		3/N/PE, 400 V
Connected load	kW	7
Width	mm	2.010 (*2.600)
Height	mm	2.765
Depth	mm	1.600
Weight	approx. kg	1.200
Software		TP_mix
Laser class (acc. to DIN EN 60825.1)		1
External connection for suction unit		yes

***Incl. swivel arm**

Fig.: Working area

Fig.: Detail Working area

Fig.: Total view

The fully automatic line for laser marking of crown corks is characterised by its compact design and the possibility for integration into existing production lines.
The Software TP_mix which was specifically developed for this application case allows the marking of all current variants. From simple logos to the marking with codes.
TP_mix Software, a development of TAMPOPRINT® AG. Allowing all processes incl. necessary safety (passwords, logging, etc.) .

Options:

- Feeding for crown corks
- External cooling unit

ORIGINAL TAMPOPRINT®

MOF-CIRCUM LongCaps

■ Fully automatic line for the marking / decorating of LongCaps

Fig.: Marking area

Fig.: Detail Marking area

Fig.: Separation

The fully automatic line for laser marking / decorating of rotary symmetrical parts (e.g. LongCaps). The transport takes place by means of a segment band with expanding mandrel. The distortion-free marking of the circumference without any stops takes place "On-The-Fly".

Technical data:

Article number		41 99 99
Material		plastic LongCaps
Laser type	SK	96
Wavelength	nm	1.064
Output power	W	90
Parts diameter	Ø mm	34
Marking area	Ø mm	360°
Output capacity	parts/h	up to 20.000
Connected voltage		3/N/PE, 400 V
Connected load	kW	10
Feeding		yes
Width (incl. feeding)	mm	6.200
Height (incl. feeding)	mm	2.450
Depth (incl. feeding)	mm	1.800
Weight	approx. kg	1.800
Software		TP_mix
Laser class (acc. to DIN EN 60825.1)		1
External connection for suction unit		yes

Options:

■ External cooling unit

ORIGINAL TAMPOPRINT®

MOF-MULTI

■ Laser automation for the precise and fast decoration of both the inside and outside of components

Technical data:

Application area		colour removal engraving colour change
Laser type	SK	parts and material related
Wavelength	nm	parts and material related
Output power	W	parts and material related
Parts diameter	Ø mm	22
Marking area	Ø mm	up to 30
Output capacity	parts/h	up to 2.000
Connected voltage		3/N/PE, 400 V
Connected load	kW	4
Feeding		customer request
Width (incl. feeding)	mm	1.500
Height (incl. feeding)	mm	2.000
Depth (incl. feeding)	mm	2.100
Weight	approx. kg	650
Software		TP_alfa®
Laser class (acc. to DIN EN 60825.1)		1
External connection for suction unit		yes

Fig.: Front view Marking area

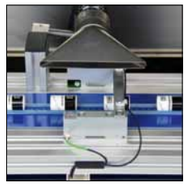

Fig.: Detail Marking area

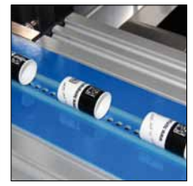

Fig.: Laser marked sample parts

Process for the precise and fast decoration of both the inside and outside of components of any kind, e.g. variable product related marking. Tamper-proof and faultless production of large quantities. Thanks to its compact design the "MOF-MULTI" can be integrated without any difficulty into existing production lines for different components (e.g. plastic bottle caps, crown corks, tubes, packagings).

Options:

■ Parts feeding
■ Monitoring function with camera system
■ Manual height adjustment
■ Conveyor extension
■ Combination with software "iTAMPOPRINT"

ORIGINAL TAMPOPRINT®

External cooling units

Fig.: External cooling unit
Art. No. 410053

Technical data:

Article number			41 02 93
Allowable variation voltage / frequence			400 V 3/N/PE/ 50 Hz
Power input	max.	kW	5,57
Nominal current	max.	A	10,2
Cooling capacity	approx.		10,3
Operating limit values ambient temperature		°C	min. +15, max. +45
Operating limit values from water temperature		°C	min. +8, max. +25
Tank capacity	approx.	litre	100
Noise level	max.	dB(A)	58
Width	approx.	mm	735
Height	approx.	mm	1.500
Depth	approx.	mm	926
Weight (empty)	approx.	kg	190

ig.: External cooling unit
Art. No. 41 00 53

Technical data:

Article number			41 00 53
Allowable variation voltage / frequence			230 V 1/N/PE/ 50 Hz
Power input	max.	kW	3,68 (50 Hz) 3,74 (60 Hz)
Nominal current	max.	A	18 (50 Hz) 14,1 (60 Hz)
Cooling capacity	approx.		7,4
Operating limit values ambient temperature		°C	min. +15, max. +45
Operating limit values from water temperature		°C	min. +8, max. +25
Tank capacity	approx.	litre	40
Noise level	approx.	dB(A)	52
Width	approx.	mm	570
Height	approx.	mm	1.146
Depth	approx.	mm	740
Weight (empty)	approx.	kg	140

ORIGINAL TAMPOPRINT®

References

BENDER · Nampak Closures packaging excellence · RRauh

Customers rely on TAMPOPRINT®

Fig.: Assembly hall ALFALAS® laser systems

50th „MOF-Promo“ was produced in 2008

Fig.: Final assembly of the "MOF-Promo"

ORIGINAL TAMPOPRINT®

Headquarters

TAMPOPRINT® Special machine construction since 1978

TAMPOPRINT® International Corporation, USA
subsidiary since 1994
www.tampoprint.com

TAMPOPRINT® IBERIA S.A.U., Spain
subsidiary since 2000
www.tampoprint.es

Trademarks of TAMPOPRINT® AG:

ALFALAS® · ORIGINAL TAMPOPRINT® · ALFA TOOLS® · TP_alfa® · P·M·K PAD MOULDING KIT

ORIGINAL TAMPOPRINT®

TAMPOPRINT® products are permanently updated to keep pace with the latest technological developments. For this reason, figures and descriptions are non-binding. Our machines are manufactured based on the currently valid European Machinery Directives as well as the European product standards EN 1010 - 1 and EN 1010 - 2.

TAMPOPRINT® AG
Lingwiesenstraße 1
70825 Korntal-Münchingen, GERMANY
✆ +49 7150 928-0
Fax: +49 7150 928-400
E-Mail: info@tampoprint.de
Ventes et Affaires Françaises
✆ +49 7150 928-144
Fax: +49 7150 928-432
E-Mail: ventes@tampoprint.de
http: www.tampoprint.de

TAMPOPRINT® INTERNATIONAL CORP.
1400 26th Street, Vero Beach, FL 32960, USA
✆ +1 772 778-8896, 800 810-8896
Fax: +1 772 778-8289
E-Mail: sales@tampoprint.com
http: www.tampoprint.com

TAMPOPRINT® IBERIA S.A.U.
Polígono Industrial Martorelles,
C/ Sant Martí, s/n (entre Gorgs y Mogent)
08107 Martorelles (Barcelona), SPAIN
✆ +34 93 2327161
Fax: +34 93 2471500
E-Mail: tampoprint@tampoprint.es
http: www.tampoprint.es

CPVeibegrafik 10/2012