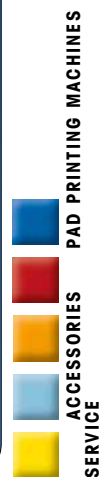


**ENCODER**

**PAD PRINTING MACHINES**



**Pad printing machine for the most demanding printing positions**

**Brilliant print in any angle of inclination, even overhead**

**Specially developed for integration in all kinds of automated systems**

ORIGINAL

**TAMOPRINT®**

Pad Printing Machines  
ALFALAS® Laser Systems  
Automations





**1982 the first in the world ...**

The ENCODER machine series was launched at the Hannover Messe in 1982 as the world's first pad printing machine with closed, that is "hermetic", ink/docting system.

It was specifically developed for integration in all kinds of automated systems.

**Variable control possibilities**

For the EP series we offer three different electronic control possibilities.

**Variable installation positions**

The ENCODER /1 models, equipped with a piston on the ink/ docting cup and adequate overhead control, guarantee all print positions. Fitted with the ENCODER aluminium stand, the ENCODER /1 have a free choice of positioning within 360° and the distance to the printing component can be additionally adjusted with a handwheel.

**No rejects because of misprints**

For the EP series we offer our well-tried ink residue pick-up system. It can be optionally attached to the left or right (option).

WHO  
INVENTED IT?  
GERMANY



ENCODER 40 EP  
electropneumatic



ENCODER 40 EP/1  
electropneumatic

Vacuum control unit +  
ink/docting cup with  
piston + bellows

ENCODER EP machines can be converted into high-quality stand-alone pad printing machines using the controls from TAMPOPRINT. So that all print technical standards of the other machine series are immediately freely controlled.



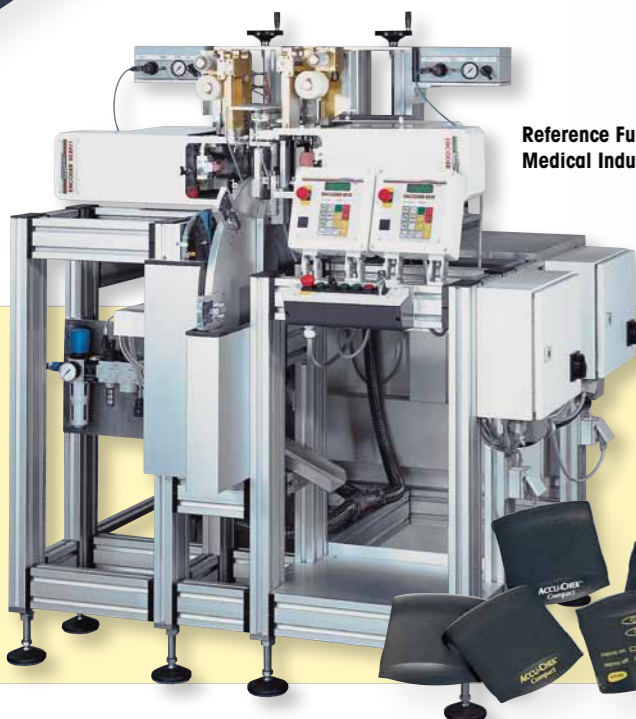
Control cabinet with PLC  
and remote control display



Control cabinet with PLC  
and operator display  
integrated in PLC cabinet



Remote control display,  
without PLC control



Reference Fully automatic machine  
Medical Industry

Reference: 2-sided printing on covers  
of blood sugar meters



Automation with pad ventilation  
for light switch frames

Variable printing positions and printing  
angles

Reference ENCODER 50 EP/1 with stroke  
extension and external control unit

ENCODER /1 – Integration position between  
90°–180° with ink residue pick-up system



ENCODER		ENCODER 40 EP & EP/1	ENCODER 50 EP & EP/1
Item No. Table model		01 00 57 / 01 00 58 <sup>1)</sup>	01 00 36 / 01 00 56 <sup>1)</sup>
Ink residue pick-up system		optional	optional
Single cycle		yes	yes
Multiple printing		yes	yes
Continuous run		yes	yes
Piece counter		yes	yes
Variable speed control		yes	yes
Cycles/hour	max.	400–3.500	400–2.400
Ink/doctoring cup	∅ mm	42	60
Variable doctoring contact pressure		yes	yes
Cliché size	mm	60 x 105	70 x 140
Print image size max.	∅ mm	37	55
Variable pad stroke onto workpiece (*special depth)	mm	50–100 (*125–300)	50–100 (*125–300)
Pad stroke onto cliché	mm	20–40	–
Pad installation height max.	mm	50	60
Force of pressure	N	270	450
Drive		electropneumatic	electropneumatic
Connected load	kW	0,5	0,5
Power supply	V/phase	230V/1/N/PE	230V/1/N/PE
Interface		–	–
Power frequency	Hz	50–60	50–60
Control		PLC	PLC
Control voltage	V/DC	24	24
Prefuse	A	16	16
Pneumatic supply fine filter 5 µm	bar	6	6
Air consumption / cycle	NL	1,5	3,9
Width	mm	153	173
Depth	mm	325	380
Height	mm	337	383
Weight	approx. kg	23	29

<sup>1)</sup> EP/1 = Excess pressure regulation in the ink/doctoring cup, vacuum control unit  
Floor standing model (option)

## Scope of supplies

- Toolkit
- Paper cups / 10 pcs.
- Spray bottles 500 ml
- Assembly table
- Gripping tongs
- Ink/doctoring cup
- Thrust collar
- Pad
- Documentation

## Accessories & Options

- ENCODER aluminium frame 360° with height adjustment via handwheel
- Stroke extension 50 EP optionally 160, 200, 300 mm – ex works
- Vacuum control unit EP/1 excess pressure regulation with special below
- Ink residue pick-up system left / right EP
- Pad spreading device, towing equipment
- Control cabinet with PLC and operator display integrated in PLC cabinet
- Control cabinet with PLC and remote control display
- Remote control display, without PLC control



### 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



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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.

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