

CONCENTRA

PAD PRINTING MACHINES



PAD PRINTING MACHINES
ACCESSORIES
SERVICE

Standard pad printing machine series

1- to 6-colour pad printing on 1–6 different positions

Hand-work place or automation

ORIGINAL

TAMPOPRINT®

Pad Printing Machines
ALFALAS® Laser Systems
Automations

STANDARD

CONCENTRA -SERIES



MULTICOLOURED ROUNDAABOUT TRAFFIC

Rapid multi-colour printing

The processing principle for a 4- or 6-colour print image offers a number of application possibilities. Excellent as a stand-alone solution but also in semi and fully automated systems, they have a wide field of application.

The electro-pneumatic drive of the doctoring unit offers high speeds and the pneumatic pad stroke movement maximum flexibility. Superb accessibility on all four sides is guaranteed. Print image transfer takes place at only one workpiece position. Processes such as ink pick-up, ink transfer and ink residue pick-up system take place synchronously. A result is the high performance. Effectively utilised with optionally available transfer systems (option) = Fitting takes place parallel to the printing process.

For further increased performance with 2-colour print images, the CONCENTRA -/4 can operate with a double performance 2+2 (twister principle).

Ink residue pick-up system and integrated VIPA S7 PLC control are a standard option. Programme enhancement possible at any time. Up to 10 programme alternatives per printing station storable. Smart cards for additional jobs can be integrated in the external operator panel.

The further developed CONCENTRA 90-6 in combination with the INTAGLIO pad printing system allows precision-designed printing without setup – even in photographic quality.

100%
Made in Germany
by TAMPOPRINT® AG



Semi-automatic machine for washing machine panels

Rotary index table with pretreatment

Semi-automatic machine for "white goods" (w-x-y-z + r axes)

Automation with discharging handling

CONCENTRA 90-4 with rotary index table, jig with vacuum support

CONCENTRA with one jig (AL-x/y cross table)



CONCENTRA		CONCENTRA 60-4	CONCENTRA 60-6	CONCENTRA 90-4	CONCENTRA 90-6	CONCENTRA 130-4	CONCENTRA 130-6	CONCENTRA 140-4	CONCENTRA 140-6	CONCENTRA 210-4	CONCENTRA 210-6
Item No. Floor standing / Integrated model		01 03 80 01 03 82	01 03 87 01 03 90	01 03 81 01 03 83	01 03 88 01 03 91	01 03 85 01 03 86	01 03 89 01 03 92	01 03 98 01 03 96	01 03 99 01 03 97	01 03 78 –	01 03 79 –
Ink residue pick-up system		integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated	integrated
Single cycle		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Multiple printing		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Continuous run		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Piece counter		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Variable speed control		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Cycles / hour 5–6 colours	max.	–	500	–	500	–	400	–	400	–	250
Cycles / hour 3–4 colours	max.	800	550	800	550	480	420	480	420	380	260
Cycles / hour 2 colours ¹⁾	max.	900	690	900	690	520	500	520	500	420	300
Cycles / hour 1 colour ¹⁾	max.	1.620	1.500	1.680	1.500	1.050	1.150	1.050	1.150	990	700
Ink/doctoring cup size	Ø mm	60	60	90	90	130	130	140	140	210	210
Number of colours		4	6	4	6	4	6	4	6	4	6
Variable doctoring contact pressure		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Cliché size	mm	70 x 140	70 x 140	100 x 215	100 x 215	150 x 300	150 x 300	150 x 300	150 x 300	220 x 500	220 x 500
Print image size max.	Ø mm	55	55	85	85	120 / 130 ²⁾	120 / 130 ²⁾	130	130	200	200
Variable tampon stroke onto workpiece	mm	10–140	10–140	10–140	1v140	10–180	10–180	10–180	10–180	10–230	10–230
Variable pad stroke onto cliché	mm	10–100	1v100	10–100	10–100	10–100	10–100	10–100	10–100	10–120	10–120
Pad installation height max.	mm	100	100	100	100	110	110	115	115	190	190
Force of pressure	N	750	750	1.150	1.150	2.900	2.900	2.900	2.900	4.000	4.000
Drive rotary table / pad stroke		electromechanic / electropneumatic									
Connected load	kW	1,2	1,2	1,2	1,2	1,2	2	1,2	2	10	10
Power supply	V/phase	230V/1/N/PE	230V/1/N/PE	230V/1/N/PE	230V/1/N/PE	230V/1/N/PE	230V/1/N/PE	230V/1/N/PE	230V/1/N/PE	400V/3/N/PE	400V/3/N/PE
Interface		D-SUB 25-pole	D-SUB 37-pole	D-SUB 37-pole	D-SUB 25-pole	D-SUB 37-pole	D-SUB 37-pole	D-SUB 37-pole	D-SUB 37-pole	D-SUB 37-pole	D-SUB 37-pole
Power frequency	Hz	50–60	50–60	50–60	50–60	50–60	50–60	50–60	50–60	50–60	50–60
Control		PLC	PLC	PLC	PLC	PLC	PLC	PLC	PLC	PLC	PLC
Programme memories		10	10	10	10	10	10	10	10	10 / 1000 ³⁾	10 / 1000 ³⁾
Control voltage	V/DC	24	24	24	24	24	24	24	24	24	24
Prefuse	A	16	16	16	16	16	16	16	16	32	32
Pneumatic supply fine filter 5 µm	bar	6	6	6	6	6	6	6	6	6	6
Air consumption / cycle	NL	32	48	36	54	130	195	130	195	6	6
Width	mm	1.232/1.123	1.329/1.202	1.232/1.123	1.329/1.202	1.692/1.592	1.692/1.592	1.692/1.592	1.690/1.592	2.240	2.240
Depth	mm	1.060/1.034	1.150/1.125	1.060/1.034	1.150/1.125	1.510	1.510	1.510	1.510	2.310	2.310
Height	mm	1.715/1.050	1.715/1.050	1.715/1.050	1.715/1.050	2.015/1.350	2.015/1.350	2.015/1.350	2.015/1.350	2.410	2.410
Weight	approx. kg	832/690	950/820	850/710	930/775	1.680/1.500	1.920/1.770	1.700/1.500	1.930/1.700	3.700 ³⁾ /3.600	3.800 ³⁾ /3.700

¹⁾ = without ink residue pick-up system station ²⁾ = only with ink/doctoring cup Ø 140 mm ³⁾ = with X-Y table

Scope of supplies

- Toolkit
- Paper cups
- Spray bottle 500 ml
- Assembly tables
- Gripping tongs
- Ink/doctoring cups
- Thrust collars
- Pad couplings
- Pads
- Foot switch
- Documentation

Accessories & Options

- Rotary index table T2, T4, T150
- x-y cross tables
- Module Linear axis
- Light curtain
- Machine table, height adjustable
- Control extension (jobs)
- Quick change system for CONCENTRA 90-6



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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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