

CONCENTRA Pad Printing Machine



PAD PRINTING MACHINES ACCESSORIES SERVICE

Standard pad printing machine series

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

Hand-work place or automation

Standard Pad Printing Machines

CONCENTRA Series

Rapid multi-color printing. The processing principle for a 4- or 6-color print image offers a multitude of application possibilities. Excellent as a stand-alone solution but also in semi and fully automated systems, they have a wide range of applications.

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 used by adding transfer systems (option) = Fitting takes place parallel to the printing process.

To further increase the performance of 2-color 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. Program enhancement possible at any time. Up to 10 program variants per printing station can be stored. Memory cards for additional jobs can be integrated in the external operator panel.



CONCENTRA 90-6
with jig



CONCENTRA 130-4
with x-y cross support (option)



CONCENTRA 210-6
with light curtain (option)

CONCENTRA Series

Focus on versatility



With pad printing
it becomes more colorful

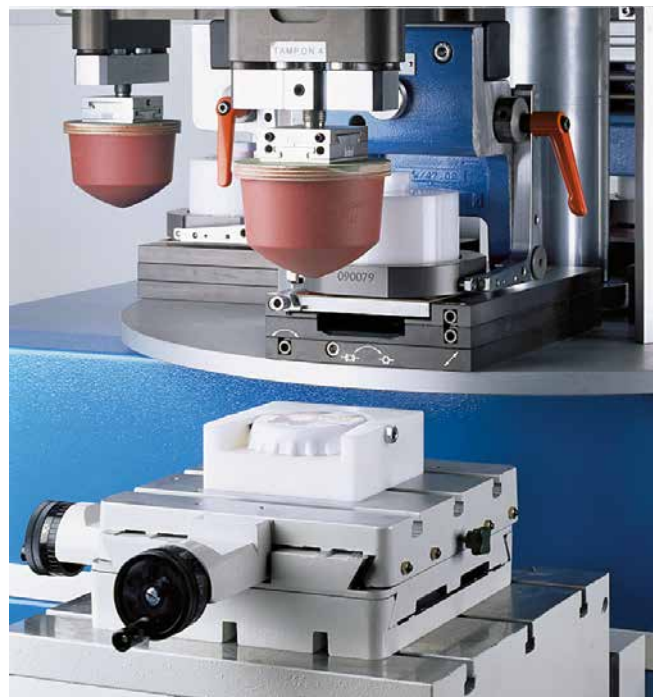
Standard Pad Printing Machines

CONCENTRA Series

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



CONCENTRA 90-4
with one jig
(aluminum x/y cross slide)



CONCENTRA 90-6
6 printing positions –
many application possibilities



CONCENTRA 210-4
with rotary index table (option) and
jig for washing machine panels

Standard Pad Printing Machines

CONCENTRA Series

CONCENTRA 140-4

Automation
with w-x-y-z + r axes



CONCENTRA 90-4

Automation
with discharging handling



Scope of supplies

- Toolkit
- Paper cups
- Spray bottle
- 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 support
- Module Linear axis
- Light curtain
- Machine table, height adjustable
- Control extension (jobs)

Technology

CONCENTRA Series

CONCENTRA		CONCENTRA 90-4	CONCENTRA 90-6	CONCENTRA 130-4	CONCENTRA 130-6
Floor standing Integrated model	Item No.	01 03 81 01 03 83	01 03 88 01 03 91	01 03 85 01 03 86	01 03 89 01 03 92
Ink residue pick-up system		integrated	integrated	integrated	integrated
Single cycle		yes	yes	yes	yes
Multiple printing		yes	yes	yes	yes
Continuous run		yes	yes	yes	yes
Piece counter		yes	yes	yes	yes
Variable speed control		yes	yes	yes	yes
Cycles/hour 5–6 colors	max.	–	500	–	400
Cycles/hour 3–4 colors	max.	800	550	480	420
Cycles/hour 2 colors ¹⁾	max.	900	690	520	500
Cycles/hour 1 color ¹⁾	max.	1680	1500	1050	1150
Ink/doctoring cup size	Ø mm	90	90	130	130
Number of colors		4	6	4	6
Variable doctoring contact pressure		yes	yes	yes	yes
Cliché size	mm	100 x 215	100 x 215	150 x 300	150 x 300
Print image size max.	Ø mm	85	85	120/130 ²⁾	120/130 ²⁾
Variable tampon stroke onto workpiece	mm	10–140	1v 140	10–180	10–180
Variable pad stroke onto cliché	mm	10–100	10–100	10–100	10–100
Pad installation height max.	mm	100	100	110	110
Force of pressure	N	1150	1150	2900	2900
Drive rotary table/pad stroke		electromechanic/electropneumatic			
Connected load	kW	1,2	1,2	1,2	2
Power supply	V/phase	230V/1/N/PE	230V/1/N/PE	230V/1/N/PE	230V/1/N/PE
Interface		D-SUB 37-pole	D-SUB 25-pole	D-SUB 37-pole	D-SUB 37-pole
Power frequency	Hz	50–60	50–60	50–60	50–60
Control		PLC	PLC	PLC	PLC
Programme memories		10	10	10	10
Control voltage	V/DC	24	24	24	24
Prefuse	A	16	16	16	16
Pneumatic supply fine filter 5 µm	bar	6	6	6	6
Air consumption/cycle	NL	36	54	130	195
Width (floor standing/integrated model)	mm	1232/1123	1329/1202	1692/1592	1692/1592
Depth (floor standing/integrated model)	mm	1060/1034	1150/1125	1510	1510
Height (floor standing/integrated model)	mm	1715/1050	1715/1050	2015/1350	2015/1350
Weight (floor standing/integrated model)	approx. kg	850/710	930/775	1680/1500	1920/1770

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

Technology

CONCENTRA Series

CONCENTRA		CONCENTRA 140-4	CONCENTRA 140-6	CONCENTRA 210-4	CONCENTRA 210-6
Floor standing Integrated model	Item No.	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
Single cycle		yes	yes	yes	yes
Multiple printing		yes	yes	yes	yes
Continuous run		yes	yes	yes	yes
Piece counter		yes	yes	yes	yes
Variable speed control		yes	yes	yes	yes
Cycles/hour 5–6 colors	max.	–	400	–	250
Cycles/hour 3–4 colors	max.	480	420	380	260
Cycles/hour 2 colors ¹⁾	max.	520	500	420	300
Cycles/hour 1 color ¹⁾	max.	1050	1150	990	700
Ink/doctoring cup size	Ø mm	140	140	210	210
Number of colors		4	6	4	6
Variable doctoring contact pressure		yes	yes	yes	yes
Cliché size	mm	150 x 300	150 x 300	220 x 500	220 x 500
Print image size max.	Ø mm	130	130	200	200
Variable tampon stroke onto workpiece	mm	10–180	10–180	10–230	10–230
Variable pad stroke onto cliché	mm	10–100	10–100	10–120	10–120
Pad installation height max.	mm	115	115	190	190
Force of pressure	N	2900	2900	4000	4000
Drive rotary table/pad stroke		electromechanic/electropneumatic			
Connected load	kW	1,2	2	10	10
Power supply	V/phase	230V/1/N/PE	230V/1/N/PE	400V/3/N/PE	400V/3/N/PE
Interface		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
Control		PLC	PLC	PLC	PLC
Programme memories		10	10	10/1000 ³⁾	10/1000 ³⁾
Control voltage	V/DC	24	24	24	24
Prefuse	A	16	16	32	32
Pneumatic supply fine filter 5 µm	bar	6	6	6	6
Air consumption/cycle	NL	130	195	6	6
Width (floor standing/integrated model)	mm	1692/1592	1690/1592	2240	2240
Depth	mm	1510	1510	2310	2310
Height (floor standing/integrated model)	mm	2015/1350	2015/1350	2410	2410
Weight (floor standing/integrated model)	approx. kg	1700/1500	1930/1700	3700 ³⁾ /3600	3800 ³⁾ /3700

1) = without ink residue pick-up system station 3) = with X-Y table

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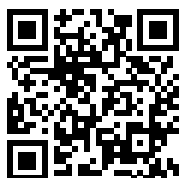
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Technical Data
tampo.link/concentra

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All locations are certified ISO 9001:2015

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