

TECHNOLOGY

CONCENTRA -SERIES

| 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 |
|---------------------------------------|------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Parts no. | 01 03 .. | 80, 82* | 87, 90* | 81, 83* | 88, 91* | 85, 86* | 89, 92* | 96, 98* | 99, 97* |
| Ink residue pick-up system | | integrated | integrated | integrated | integrated | integrated | integrated | integrated | integrated |
| Single cycle | | yes | yes | yes | yes | yes | yes | yes | yes |
| Multiple printing | | yes | yes | yes | yes | yes | yes | yes | yes |
| Continuous run | | yes | yes | yes | yes | yes | yes | yes | yes |
| Piece counter | | yes | yes | yes | yes | yes | yes | yes | yes |
| Variable speed control | | yes | yes | yes | yes | yes | yes | yes | yes |
| Cycles/hour 5-6 colours ¹⁾ | max. | - | 500 | - | 500 | - | 400 | - | 400 |
| Cycles/hour 3-4 colours ¹⁾ | max. | 800 | 550 | 800 | 550 | 480 / 550 ³⁾ | 420 | 480 / 550 ³⁾ | 420 |
| Cycles/hour 2 colours ¹⁾²⁾ | max. | 900 / 1.600 ³⁾ | 600 | 900 / 1.600 ³⁾ | 600 | 520 / 580 ³⁾ | 500 | 520 | 500 |
| Cycles/hour 1 colour ¹⁾²⁾ | max. | 1.600 | 1.500 | 1.680 | 1.500 | 1.050 / 1.150 ³⁾ | 1.150 | 1.050 / 1.150 ³⁾ | 1.150 |
| Ink cup/doctoring cup | ø mm | 60 | 60 | 90 | 90 | 130 | 130 | 140 | 140 |
| Number of colors | | 4 | 6 | 4 | 6 | 4 | 6 | 4 | 6 |
| Variable doctoring contact pressure | | 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 |
| Print image size max. | ø mm | 55 | 55 | 85 | 85 | 125 / 135 | 125 / 135 | 135 | 135 |
| Variable tampon stroke onto workpiece | mm | 10 - 140 | 10 - 140 | 10 - 140 | 10 - 140 | 10 - 180 | 10 - 180 | 10 - 180 | 10 - 180 |
| Variable tampon stroke onto cliché | mm | 10 - 100 | 10 - 100 | 10 - 100 | 10 - 100 | 10 - 100 | 10 - 100 | 10 - 100 | 10 - 100 |
| Tampon installation height max. | mm | 100 | 100 | 100 | 100 | 115 | 115 | 115 | 115 |
| Force of pressure | N | 750 | 750 | 1.150 | 1.150 | 2.900 | 2.900 | 2.900 | 2.900 |
| Drive rotary table tampon stroke | | electromechanic/ electropneumatic | electromechanic/ electropneumatic | electromechanic/ electropneumatic | electromechanic/ electropneumatic | electromechanic/ electropneumatic | electromechanic/ electropneumatic | electromechanic/ electropneumatic | electromechanic/ electropneumatic |
| Connected load | kW | 1,2 | 1,2 | 1,2 | 1,2 | 1,2 | 2 | 1,2 / 2 ³⁾ | 2 |
| 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 |
| Interface | | D-SUB 37-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 | D-SUB 37-pole |
| Power frequency | Hz | 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 |
| Programme memories | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Control voltage | V/DC | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Prefuse | A | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Pneumatic supply fine filter 5 µm | bar | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Air consumption / cycle | NL | 32 | 48 | 36 | 54 | 130 | 195 | 130 | 195 |
| Width | mm | 1.240 | 1.329 | 1.240 | 1.320 | 1.690 | 1.690 | 1.690 | 1.690 |
| Depth | mm | 1.060 | 1.150 | 1.060 | 1.150 | 1.510 | 1.510 | 1.510 | 1.510 |
| 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* | 1.350 / 2.015* | 1.350 / 2.015* |
| Weight | approx. kg | 832 / 690* | 900 / 760* | 850 / 710* | 930 / 770* | 1.680 / 1.500* | 1.920 / 1.770* | 1.700 / 1.500* | 1.930 / 1.700* |

* = without chassis (table or built-in model)
¹⁾ = dependent on application

²⁾ = without ink residue pick-up system station
³⁾ = option index table "T2", "T4" and "T150"

Scope of supplies

- Toolkit
- Paper cups / 10 pcs.
- 1 hand crank
- 1 spray bottle 500 ml
- 2 assembly tables
- 2 gripping tongs
- 4/6 ink/doctoring cups
- 4/6 thrust collars
- 4/6 tampon couplings
- 4/6 tampons, 6 Shore-A, silicone material 03
- 1 foot switch
- Documentation

Accessories & Options

- Rotary index table T2, T4, T150
- x-y cross tables
- Cross table for integration in automations
- Module Linear axis
- Light curtain
- Control extension (jobs)
- Camera for set-up assistance (cliché registration)



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ORIGINAL



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CONCENTRA

TAMPON PRINTING MACHINES



TAMPON PRINTING MACHINES
 ACCESSORIES
 SERVICE

Standard tampon printing machine series

1- to 6-colour tampon printing on 1-6 different positions

Hand-work place or automation

technologies for your future
made in germany

ORIGINAL



Tampon printing machines
 ALFALAS® Laser Systems
 Automations

STANDARD

CONCENTRA -SERIES

MADE IN GERMANY



MULTICOLOURED ROUNABOUT 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. The pneumatic tampon 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.



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)

