



DATA SHEET

Inkjet printer

Alpha Compact Inkjet

Alpha Compact Inkjet

Multi-functional inkjet printing with the Alpha label dispenser

There are many label dispensers on the market with the integrated option of post-printing label data, e.g. additional information such as shelf life, batch and load info, ingredients, barcodes and logos. But the conventional printing techniques available for this purpose are generally designed to be used exclusively in conjunction with a labelling unit.

This is where the Markoprint Thermo-Inkjet printer, with its new Alpha Compact Inkjet labelling solution, differs: this printer can be removed in a few operations and easily and conveniently installed at different packaging plants, such as blister machines, cartoners, tray packers, pillow bag machines, conveyors or similar units in the final packaging area. Depending on equipment application, this leads to significantly reduced investment costs and creates multi-functionality. The Markoprint inkjet printer can of course also be integrated into almost any other label dispenser – even other brands – provided the technical prerequisites in terms of installation space are met.

The Alpha Compact Inkjet combines the proven and renowned Alpha series labelling system with the compact Markoprint inkjet printer. With the Alpha Compact Inkjet, variable information is printed, without physical contact, onto possibly pre-printed labels just before dispensing. No labels are wasted/lost when print data changes and previous data are automatically excluded when the product changes.

Using the cartridge ink technology, data with up to 12,5 mm in height symbols and a resolution of up to 600 dpi can be printed neatly and quickly. Data transmission to the print heads is 1:1. Real time printing without batch processing is also possible.

A wide variety of fast drying inks and colors are available for a wide range of applications on diverse label surfaces.

Place your bets on the Alpha Compact Inkjet with inkjet printer, for quality and economy:

- Printing of information such as text, shelf life, barcodes, 2D codes, graphics and logos
- Inputting or amending Print Data is made quick and easy by either entering the data directly or remote input via PC
- Up to 3 000 serializations per minute and 600 dpi resolution, using cartridge printing technology
- Up to 90 m per minute printing speed at 300 dpi resolution
- Integrated and automatic date functions with expiry calculator and serial numbers
- Variable symbol heights from <1 to 12,5 mm
- Brilliant marking quality and maintenance-free functionality
- Immediate printing and high reliability, based on proven cartridge printing units
- The Printhead is contained within the unit and so a new Printhead is replaced with every cartridge replacement
- Printing in throughput mode in direction of travel, at various speeds

Technical data

Alpha label dispenser

Dispensing output

Label take-off speed, or product speed,
up to 64 m per minute

Labelling output

up to 500 labels per minute
(depending on label length)

Fault recognition

Automatic switch-off at end of roll
or broken tape

Label gap

minimum 3 mm

Label roll

maximum 300 mm outer diameter on
76 mm (3") roll core

Label sizes

minimum height: 50 mm
In combination with Alpha Compact Inkjet
Depending on the number of installed
print heads

Maximum label width

up to 150 mm

Maximum label length

up to 300 mm

Product sensor

External, photocell capacitive/inductive

Markoprint X1Jet HP Pro

Number of print heads

1 head

Printing heights

from <1 to 12,5 mm

Print direction

Left/right or right/left, from the top or
from the side

Print head distance

maximum 5 mm to the product surface

Printing speed, print heads

- up to 90 m/minute
- Barcode applications up to
60 m/minute

Resolution

Vertical: up to 600 dpi

Text memory

unlimited

Text length

up to 2 meters

Font and logo memory

2 GB

Automatic functions

Counter, date with shelf life

Barcodes

- EAN 8, EAN 13, EAN 128, 2/5 ITF,
2/5 ITF with hash total Code 128,
PC A, UPC E, DUN 14
- 2D codes: Datamatrix, EAN Datamatrix,
QR-Code

Interfaces

USB A, Ethernet, RS232

Inputs, controller

- 1 x internal photo sensor capacitive/
inductive
- 1 x external sensor 15 pin
- 1 x rotary encoder 15 pin interface
- 4 x control inputs NPN/PNP



Outputs, controller

- OK, Warning, Alarm/Status light,
- 4 x programmable floating relay
outputs

Electrical connection

12 V

Ambient conditions

- Ambient temperature: 5°C to 40°C
- Relative humidity: 10% to 90%,
non-condensing

Changes to technical data reserved.

Please refer to individual documentation
for further system information on the
Markoprint and Alpha series.

Weber Marking Systems GmbH

Head Office: Maarweg 33 · D-53619 Rheinbreitbach
Telephone: +49(0)2224/7708-0 · Fax: +49(0)2224/7708-20
info@weber-marking.com · www.weber-marking.com



Weber[®]
LABELING & CODING SOLUTIONS