

Kortho

GraphicJet

X-series

General GraphicJet X18

General Features

The GraphicJet X18 can operate **completely standalone**, generating variable label information entirely from its own internal printer functions and memory.

An internal barcode generator and built in on-screen label management- and design software, done on the 8" full colour touchscreen TsC20-controller contribute to this. There is no need of an external PC.

Special Features

In addition, the printer also seamlessly **integrates into a network**, wherein the variable label information is retrieved from external databases through the network.

The Kortho printers GraphiCJet X-series has its own Windows printer driver.

This Windows driver goes beyond other standard printer drivers. It comes with a 100 % support from NiceLabel. This allows all auto codes (date, time, counters, etc.) created in NiceLabel to be generated by the printer. In addition, the printers work seamlessly with the wide spectrum of functionalities that NiceLabel software offers.

By being able to manage labels with Nicelabel from any Windows based system, on the software side Kortho also creates a standard solution for custom coding needs.

In addition, at the front end, it is possible to customize the user interface, by which the entire Kortho printer fleet (Thermal transfer and Inkjet) can be controlled from. By only showing the relevant information on the screen and pre-setting all print job parameters, not only erratic coding will be prevented, but also a high user friendliness is guaranteed.

Through a seamless integration into your existing business structure Kortho provides a problem free solution for all coding and marking needs, now and in future.

Built in On-Screen label Design software (OSD)

Texts

Free to arrange grid with unicode fonts.

Automatic numbering

Batch codes, lot numbering, pallet counting, etc. in various forms of notation. Space for several numbering codes per label.

Automatic date & time coding

Best before date, production date and other date designations in various forms of notation Multiple date codes per label possible. Time in various forms of notation. Multiple time codes possible in one label.

Automatic shift codes

Up to 25 shift codes, definable over a maximum of 7 days. Multiple shift codes possible in one label.

Barcodes

With the built-in barcodegenerator all common barcodes are available such as: EAN8, EAN13, CODE 39, EAN128, UPCA, UPCE, CODE128, ITF, QR, Datamatrix, with adjustable height and module width. Multiple barcodes are possible in one label.

Graphic images

Logos can be imported in the TsC20 controller.

Free label layout

The GraphicJet X18 supports Unicode fonts. All codes can be freely placed within the design grid. (17,6 x 1.000 mm). Text or graphics can be aligned on a grid.

Print position and printing direction

Printing position (delay) can be adjusted in mm. Print direction can be set from left to right or right to left.

Speed

Printing speed is adjustable, from 0.4 m/min to 60 m/min¹. Optional speed encoder 0 to max 60m/min for variable speeds¹.

Internal memory capacity

42 mB for fonts, images and labels. Number of labels depends on the size. At least 580 labels with images at max. labelsize.

External label management- and design software

The Kortho GraphicJet X18 is shipped with a free Windows printer driver. It comes with a 100 % Nicelabel support. All auto codes (date, time, counters, etc.) created in NiceLabel can be generated by the printer. The driver offers bi-directional printing and communication.

See also our special Nicelabel leaflet or at the Nicelabel website. Other third-party software with a Windows printer-driver compliance can also communicate with our driver.

¹ 60 m/min only with GraphicJet X18⁺

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Technical specifications GraphicJet X18

System

Multipurpose High Resolution Inkjet Printer.
 - Full standalone use (on-screen label design + autocodes)
 - Full network integration (Windows driver)

GraphicJet X18 models

GraphicJet X18, GraphicJet X18⁺
 Duo X18 configuration: One TsC20 controlling two X18's or two X18⁺'s or one X18 and one X18⁺².

Printhead technology

18mm high
 Piezoelectric, 185 dpi vertical resolution,
 128 individually addressable dots.

Controller

TsC20 controller 8" full-color touch-screen
 Windows Compact 7 platform
 Memory intern 42 Mb
 Memory capacity: at least 580 labels with max. labelsizes
 Label upload/download via:
 - USB access labelmemory
 - Ethernet access printmemory
 Label back-up functionality via USB
 Screen orientation: Landscape
 Start-up mode: Standby or Production.

Printhead distance from product

Maximum 3-5 mm.

Ink system capacity

200 ml.

Maximum printing speed

X18, 1-40 m/minute or 0-40 m/minute with ext. speed encoder.
 X18⁺, 1-60 m/minute or 0-60 m/minute with ext. speed encoder.

Power

Input voltage: 80-264VAC
 Frequency: 47 – 63 Hz
 Power: max. 40VA
 Inrush current: < 20A at 115VAC
 < 40A at 230VAC

Print signal

Standard type NPN or PNP photocell, potential-free contact or a voltage between 5 - 30 VDC.

Operating temperature

10 - 40 °C.

Humidity

10% - 90%, non-condensing.

Main dimensions in mm (h x w x d)

Coding Unit: 322 x 170 x 477. Bracket included.
 Controller: 203 x 258 x 153. Integrated bracket included.

Ink

Multiple Kortho Ink GJ for porous and non-porous:
 More than 150 types of ink: Oil based, Solvent based,
 Water based, Food Grade, UV ink, colored inks and many more.
 Applicable for printing on both porous and non-porous materials.

Software

Windows printer-driver.
 Nicelabel Designer Pro (optional).
 Nicelabel Powerforms Desktop (optional).
 Nicelabel Automation (optional).
 Other third-party Labelsoftware (windows-driver compliance)

Optional

Speed Encoder for automatic print speed adjustment.
 Alarm beacon.
 Floor stand.

Interface

Signals:
 Inputs: Print Request, Inhibit, Trigger,
 BCD select label (optional), Product detect (optional).
 Outputs: Low ink, Ink out, Busy, General Alarm.

Programming and printing facilities

Languages in TsC20: En,Nl,De,Es,Fr,Ru,Pl,Pt,Hu,Ar
 other languages upon request.
 On-Board Labeldesign (OSD)
 Input labels in memory controller by USB.
 Direct label printmanagement by Ethernet.
 Nicelabel Labeldesign with extended functionality,
 third-party software.
 Nicelabel platform: multi-operating system environment.

² max X18⁺ printspeed adjusted to max X18 speed.

