Engico
aqua 250
ECO-FRIENDLY
CORRUGATED
INKJET PRINTER

Boxes on demand to create new business opportunities

Aqua 250 enables box-makers, commercial printers and POS professionals to print and deliver just-in-time and 1:1 cardboard boxes, reduces makeready times and prepress costs. The high flexibility of its innovative water based inks allows cutting, creasing and folding of printed boards without the risk of cracking.

DESIGNED WITH THE ENVIROMENT IN MIND

Water based inks don't contain harmful substances and don't emanate VOCs.

That means a healthiest and safest environment for employees, customers and end-users. This technology doesn't require special ventilation or fumes extraction. The inks specially formulated for **Aqua 250** are odourless and make this printing technology ideal for the production of POS materials, packaging and in-store communication.

High quality packaging

Full-colour boxes for POS exhibition

POS materials

Variable data
versioned packaging

aqua 250

Robust, durable eco-friendly and modular

Modular architecture open to any future upgrades.

First rank components selected among the best available.

All main shafts of the modules are direct driven by independent motors electronically dynamic controlled, guaranteeing high level of printer register and quality.

Dedicated “on-board” dust free room with controlled humidity and temperature to guarantee the optimal functioning of inks and printheads.

Board feeding and flattening units are optimized for corrugated to avoid substrate damages and allow the easy insertion of highly warped boards.

Aqueous odour-free, VOC-free, water-resistance and scratch-resistance inks.

Reliable vacuum belts system (patent pending) to flatten cardboard and keep it flat under the printheads.

KYOCERA® variable-drop industrial inkjet printheads that guarantee the highest performance, reduced mantenance and purge, as well as high durability.

The exclusive ink-recirculation system allows the easy feeding of inks and printheads cleaning.

Modular RIP platforms that easily integrates within every commercial printing and packaging production.

Automatic feeder and stacker modules are available for automated and unattended production.

Aqua, starting from its standard version, can be retrofitted at any time with its ancillary modules.

A uniquely designed conveyor belt, the powerful vacuum system and the board holding/flattening units guarantee a perfect handling of any cardboard sheet.

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ECO-FRIENDLY CORRUGATED INKJET PRINTER

2700 mm

3700 mm | 3500 mm | 3700 mm

10900 mm

Automatic stacker module *(optional)*

Top of the pile automatic feeder module *(optional)*

Automatic feeding and stacking
up to 2.5 mt width by 3.2 mt length

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Specifications

Printing technology
Piezo drop-on-demand using variable droplet-size technology

Printheads
Kyocera KJ4B industrial inkjet printheads

Droplet size
Fix or variable drop starting from 5 up to 18 picoliters

Printing resolutions
600 x 600 dpi / 600 x 1200 dpi / 600 x 1800 dpi / 600 x 2400 dpi
600 x 3600 dpi / 600 x 4800 dpi

Printheads / Colours
8 heads - 4 colours CMYK (*Standard)*
16 heads - 4 colours CMYK (*Optional)*

Printheads cleaning device
Advanced automatic cleaning device, that guarantees reliable and fast wiping of the heads

Inks
Water based inks

Ink tanks
Prompt and easy refill of the inks thanks to high capacity sealed ink bags with fast-in / fast-out plug system

Printable substrates
Corrugated board *(from 1,5 to 15 mm thickness - up to 2500 g/sqm)*
Solid board *(from 350 g/sqm)*
Other paper base substrates *(up to 50 mm thickness)*

Printing speed
Up to 400 sqm/h according to image quality and printer's configuration

Maximum printing size
Maximum width 2500 mm
Maximum length *No limit*

Drying colour system
High efficiency in line device with IR-lamps and air

Software / RIP
Modular RIP platforms optimized for commercial printing and packaging complete workflow

Physical dimensions
W 6200 x L 5000 x H 2700 mm *(Standard version)*

Standard power supply
380 V - 50 Hz

Power consumption
Including air treatment: Min 15 kW / Max 75 kW
(depending on the printing condition)

The above mentioned technical data are subject to be improved according to technology development.The final technical details and customer's configuration will be defined and confirmed at order confirmation. Printer's productivity may vary depending on type of print data file, application, substrate, environmental conditions, print speed or other variables. Many of these variables can be controlled by the operator to optimize productivity and quality requirements. Only approved consumables are warranted for use in the AQUA 250 Corrugated Inkjet Printing.

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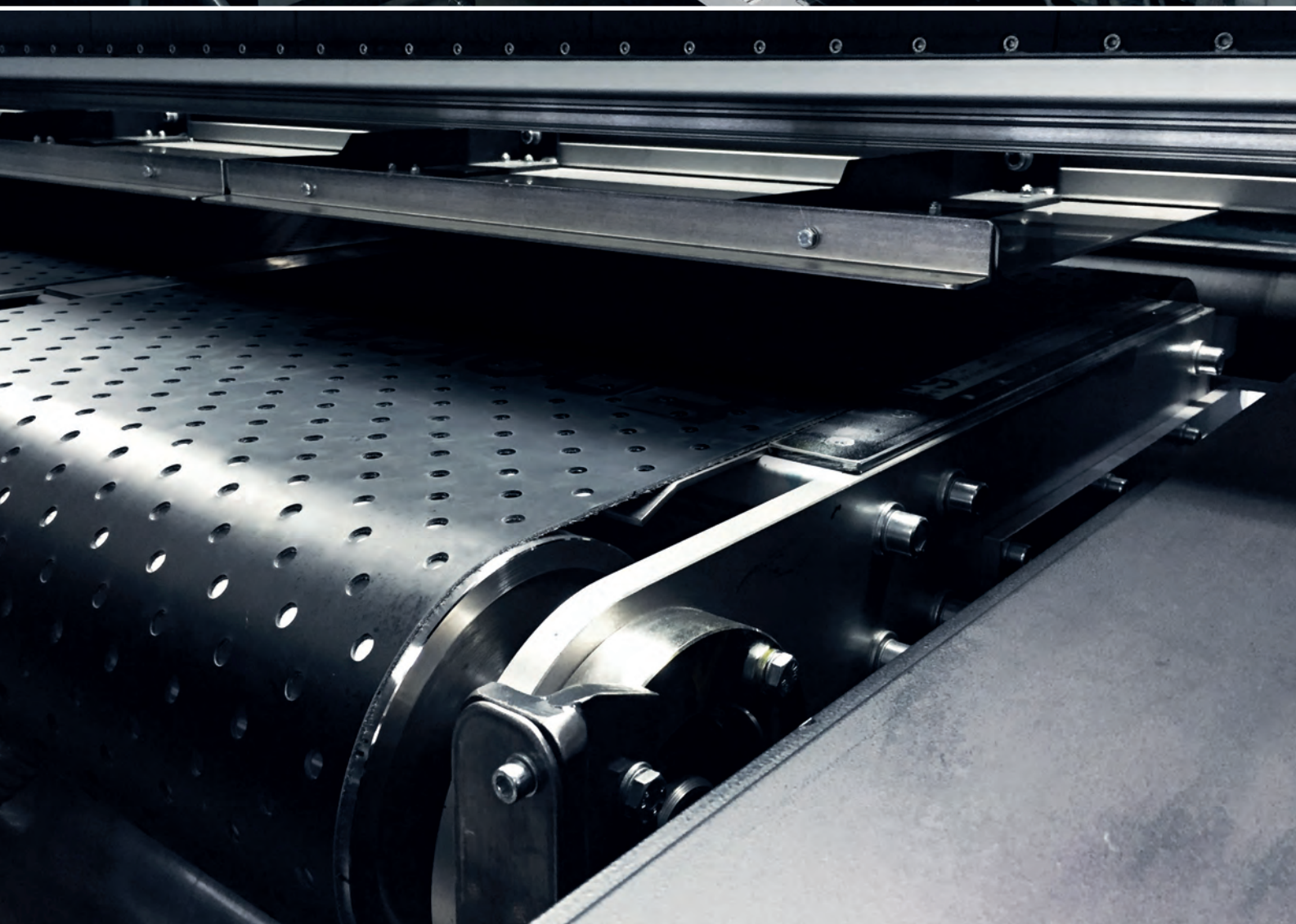

ENGINEERING FOR CORRUGATED

Engico

Engico srl • Via Adamello, 3 • 20851 Lissone (MB) • P +39 039.24.57.847 • F +39 039.46.11.96 • engico@engico.com • www.engico.com