Distinctly Different Digital

72mm PRINT HEIGHT

autonomous®®

PI-SERIES
PIEZO-ELECTRIC INKJET

PIEZO INKJET PRINTER

- ✓ **20cm FULL COLOUR TOUCHSCREEN CONTROLLER**

- ✓ **18mm & 72mm PRINT HEIGHTS**

- ✓ **INBUILT LABEL DESIGN & MANAGEMENT SOFTWARE**

- ✓ **UNIQUE FREE FLOW INK SYSTEM**

digital NEXTGEN

- Unique FREEFLOW™ inksystem doesn't need expensive and maintenance-sensitive moving parts like pumps and valves. Because of this Kortho Piezo inkjets are completely maintenance-free, economic to buy and have bulletproof reliability. Proof of this are the many first generation Kortho Hi-Res Inkjets used in the Dutch flower and agricultural sector. Most of them were sold as early as the year 2000 and are still in use today!

- The FREEFLOW™ inksystem has a non-pressurized main ink tank. In contrary to enclosed ink systems like bottles, cans or containers no pressure differences with the outside can build up in the ink compartment. This prevents ink leaks due to internal overpressure or, on the other end, ink starvation of the printhead in case of lower pressure. This makes a Kortho Piezo inkjet completely impervious to the conditions of its environment. Regardless how harsh or quickly changing these are.

- FREEFLOW™ allows for the printhead itself to draw the ink directly from the main tank. Because of this the printhead does not undergo constant fluctuating ink pressure. Something that would be the case if a pump would force the ink towards it. Because of this the printhead has a lifespan that's up to 6 times longer than systems that do use a pressurized ink feed.

- Standardly equipped with 20cm full color Windows OS touchscreen controller.

- Label design and management software directly on controller making an extra PC no longer needed to design and manage labels.

- Unicode en TrueType font support for all system menu's, keyboards, label elements and counters.
- Internal barcode generator for more than 113 different barcode types.

- Serialization functions for (2D) barcodes which can be generated real-time from (PLC)strings, ERP databases or from a custom string that can be freely composed using internal printer counters.
- 42 MB internal memory capacity.

- Real-time ink consumption calculation.

- Supported communication protocols: Windows network driver, RS232, PLC commands, ERP direct, BCD

TECHNICAL SPECIFICATIONS

Digitalnextgen model	X-18	X-72
Printhead	Xaar 128	Seiko 510BN
Print height	18 mm	72 mm
Resolution	185 DPI	180 DPI
Drop size	80 Pico liter	50 Pico liter
Max. print speed	40 meters/min	45 meters/min
Ink tank capacity	200 milliliter	400 milliliter
Omnidirectional print direction	Yes, 180 degrees	Yes, 180 degrees
Available inks	Oil based (mineral free) & solvent	Oil based (mineral free) & solvent
Controller TsC20	20cm Touchscreen + Windows OS	20cm Touchscreen + Windows OS

digital
NEXTGEN