



Technical specifications

Printing

Technology	Piezo Drop-on-demand inkjet technology.
Resolution	Native 600x600 dpi (in single pass with 4 grayscale levels from 3 to 14 picolitres).
Ink system	UV-LED curable inks filled in 12-litre tanks per color.
Ink colors	CMYK + 4 additional channels.
Printing area	3200 x 2000 mm.

Media

Material	Any type of rigid or semi rigid media; PVC, foam, cardboard, glass, wood, metal...
Max. size	3200 x 2050 mm.
Max. thickness	100 mm.
Max. weight	80 kg/m ²
Handling	Full automatic feeder and stacker system.

Configurations

NoeCha ONE 20k	From 65 up to 221 m ² /h.
NoeCha ONE 30k	From 91 up to 304 m ² /h.
NoeCha ONE 40k	From 120 up to 406 m ² /h.
NoeCha ONE 50k	From 140 up to 487 m ² /h.

Rip Software

GrandRIP+ by Caldera.
Onyx Thrive.

NoeCha

Printing carriage

The printing carriage is solidly built to enable **precise drop placement** even while jetting small drops at **high speeds**.

The structure is equipped with an **anti-crash system** which stops the motion immediately in case of collision, preventing any kind of damage to the print heads and the lamps.



Bounding Box

The bounding box of NoeCha ONE provides a **safe operating environment**, free from dust and cutting residues and helps the system to maintain a constant temperature during production.



The doors are equipped with **safety lockers** to prevent to step inside when the printer is in motion.



Sectioned vacuum table

The **16-zoned vacuum table** of NoeCha ONE covers all media standard sizes. The vacuum is concentrated only where it is needed, so **masking the table is no longer necessary**.

The table, which is **3200 x 2050** millimetres, adjusts its height in order to adapt to the thickness of the media (up to 100 millimetres).

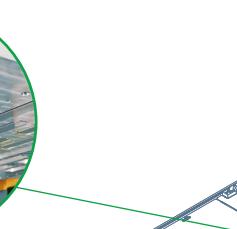
Print heads

NoeCha ONE is a modular system. It is designed to operate up to 8 channels with **up to 5 print heads** per channel.



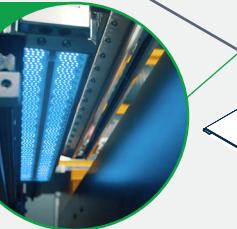
The print heads enable **native 600x600 dpi** image quality with 4 greyscale levels by controlling the drop size from **3 to 14 picolitres**.

The system is always **upgradable** from one configuration to another, protecting the initial investment.



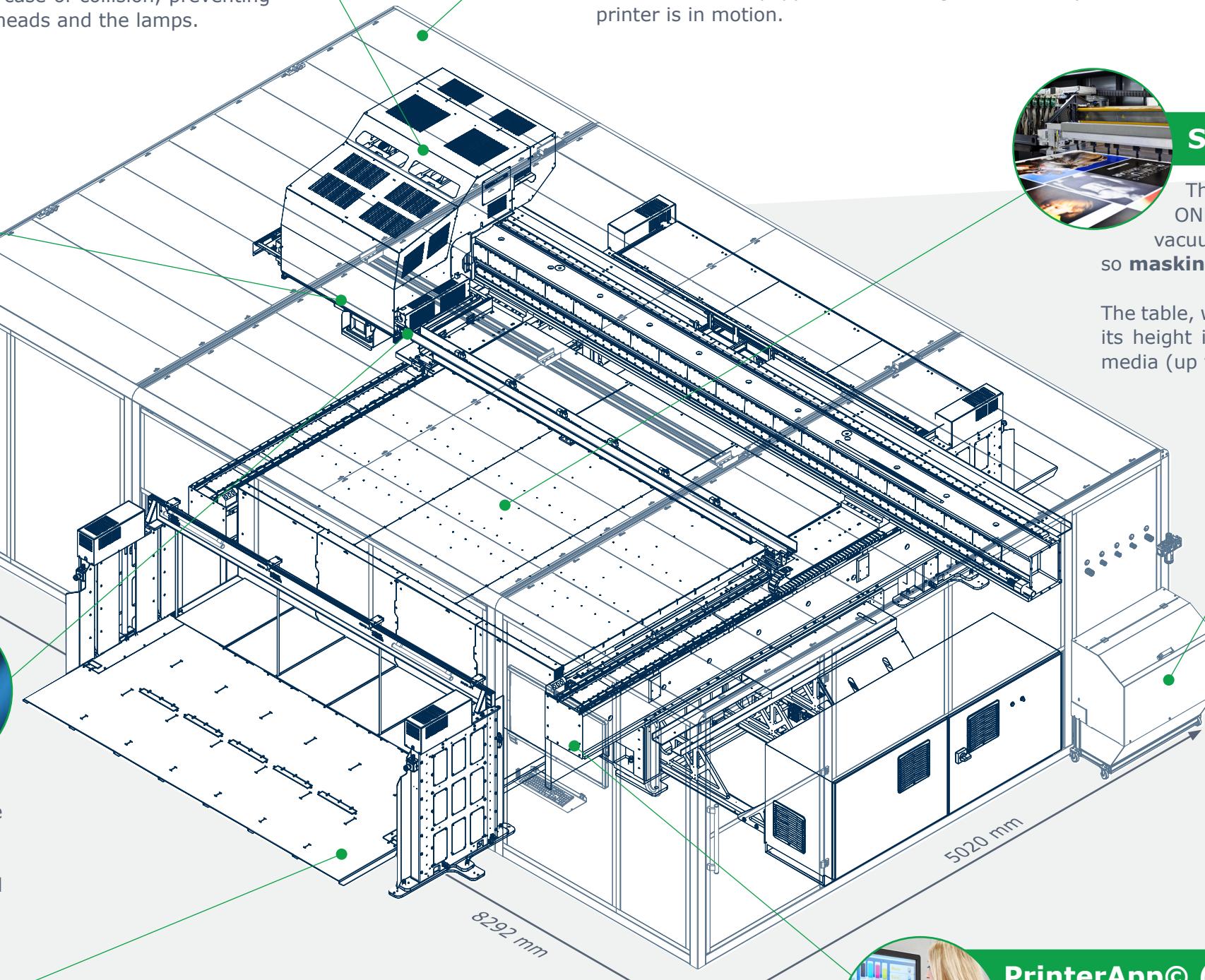
UV-LED curing system

The **UV-LED cool curing system** allows excellent printability on any type of material, including temperature-sensitive ones.



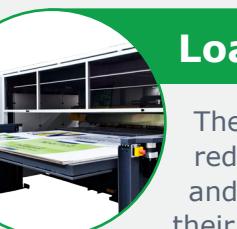
The lamps installed on both sides of the printing carriage **cure the ink instantaneously** while printing.

The use of the LED guarantees **very low operational cost** and energy savings.



Load/Unload system

The **auto-feeder** feature allows to run **very large productions** in an automatic way, reducing the intervention of the operator and allowing **continuous printing**. The front and back platforms, robustly designed to **hold more than 1000kg**, adjust automatically their height according to the pile of material to be loaded/unloaded.



The suction cups of the loader system are divided by groups, which makes possible to load automatically, and **print up to 6 separated substrates at the same time**.

PrinterApp© (User interface)

The modular software of the NoeCha printing systems is very intuitive for the operator. **PrinterApp©** layout has been carefully designed to get where needed in very few steps.



The application is **touch-screen** and also includes handy functions such as the **nesting function**, the **ink cost calculator**, **video maintenance support** and **help online** to streamline at maximum the workflow.



Inks

NoeCha ONE uses **UV-LED high-quality inks**, which are stored in 12-litre tanks.

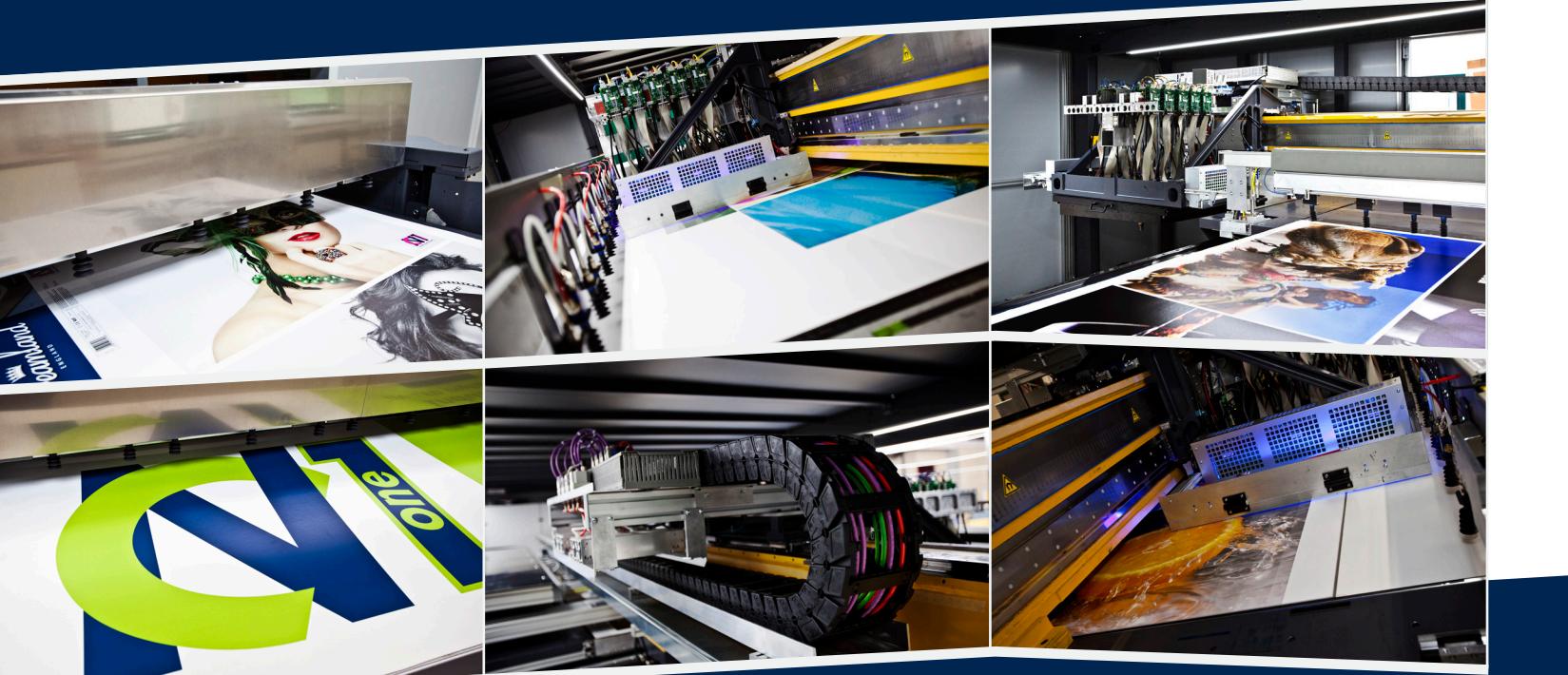
The inks cover a **large color gamut**, offering **excellent adhesion** and a perfect surface tension to guarantee an outstanding quality.



NoeCha ONE delivers outstanding quality at high printing speed.

The printer is designed for long run production of **high impact graphics**, **POS displays**, **folding carton boxes**, as well as for some **industrial applications**.

The industrial design of NoeCha ONE guarantees perfect repeatability of the results and great reliability.

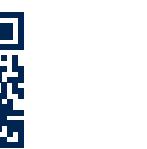


NoeCha ONE

Large Format Industrial UV LED Flatbed

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