



- ✓ Outstanding **quality**.
- ✓ Up to **8 colors**.
- ✓ **Perfect alignment** of material.
- ✓ Industrial design for **non-stop printing**.
- ✓ Production speed up to **850 linear m/h**.
- ✓ Modularity and **Upgradability**.

Technical specifications

Printing

| | | | |
|----------------|--|--|--|
| Technology | Piezo Drop-on-demand inkjet technology. | | |
| Resoluton | Native 600x600 dpi (in single pass with 3 grayscale levels from 5 to 12 picolitres). | | |
| Ink system | NoeCha Sublimation inks in 20-litre containers connected directly to the ink system. | | |
| Ink colors | CMYK + 4 additional spot colors. | | |
| Printing width | 1800 mm. | | |

Media

| | | | |
|-----------------|--------------------|------------------|----------------------------------|
| Material | Sublimation paper. | Handling | Continuous feeding system. |
| Max. roll width | 1850 mm. | Paper weight | From 30 to 160 gr/m ² |
| Max. diametre | 1500 mm. | Max. roll weight | 1800 kg. |

Rip Software

TextilePro by Caldera

Configurations

| | |
|-------------------------|---|
| NoeCha ROLL2 20k | Up to 612 m ² /h. / 340 linear m/h. |
| NoeCha ROLL2 30k | Up to 918 m ² /h. / 510 linear m/h. |
| NoeCha ROLL2 40k | Up to 1224 m ² /h. / 680 linear m/h. |
| NoeCha ROLL2 50k | Up to 1530 m ² /h. / 850 linear m/h. |

ROLL2 Series

The **NoeCha ROLL2 Sublimation** is part of a printer series designed by NoeCha.



NoeCha ROLL2 Textile for direct to textile printing.



NoeCha ROLL2ROLL to print "blueback" and folding carton.



Industrial design

The mechanical structure of the entire printing line is built in a **very robust** way in order to guarantee **high printing precision** as well as a **perfect alignment** of material handling.

The industrial printing line allows non-stop printing and **high-volume productions**.

NoeCha ROLL2-S is equipped with 2 systems of **automatic alignment** of the paper; the first one is adjusting directly the roll of paper on the winder while the second one, thanks to the **robotic NIP roll**, regulates the pressure on the material.



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.



Winder/Unwinder system

The winder and unwinder system is designed in a solid way in order to hold **jumbo rolls of up to 1800 kg**. All cylinders have an specific design to allow a correct stretch (elasticity) of the material.

Two different dancing rolls are installed; one for the tension of the material and another one to allow a **non-stop material advance**.

The loading of the roll is made easy thanks to the **shaftless system** and the pneumatic chuck.

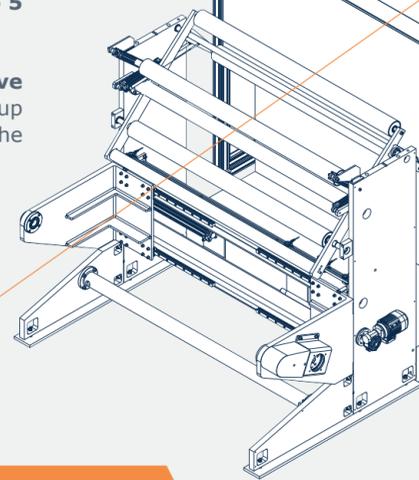
Print heads



NoeCha ROLL2 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 up to 3 grayscale levels by controlling the drop size from **5 to 12 picolitres**.

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



Drying system

The modular drying system is a high efficiency oven with air recirculation to **guarantee energy savings**.

The temperature as well as the air flow can be regulated in an automatic mode. NoeCha's dryer system guarantees **perfect color fixation** avoiding ink set-off even at the highest speed.

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** and **video maintenance support** to streamline at maximum the workflow.

3 monitors are available on the printing line in order to control the machine from 3 different sides.

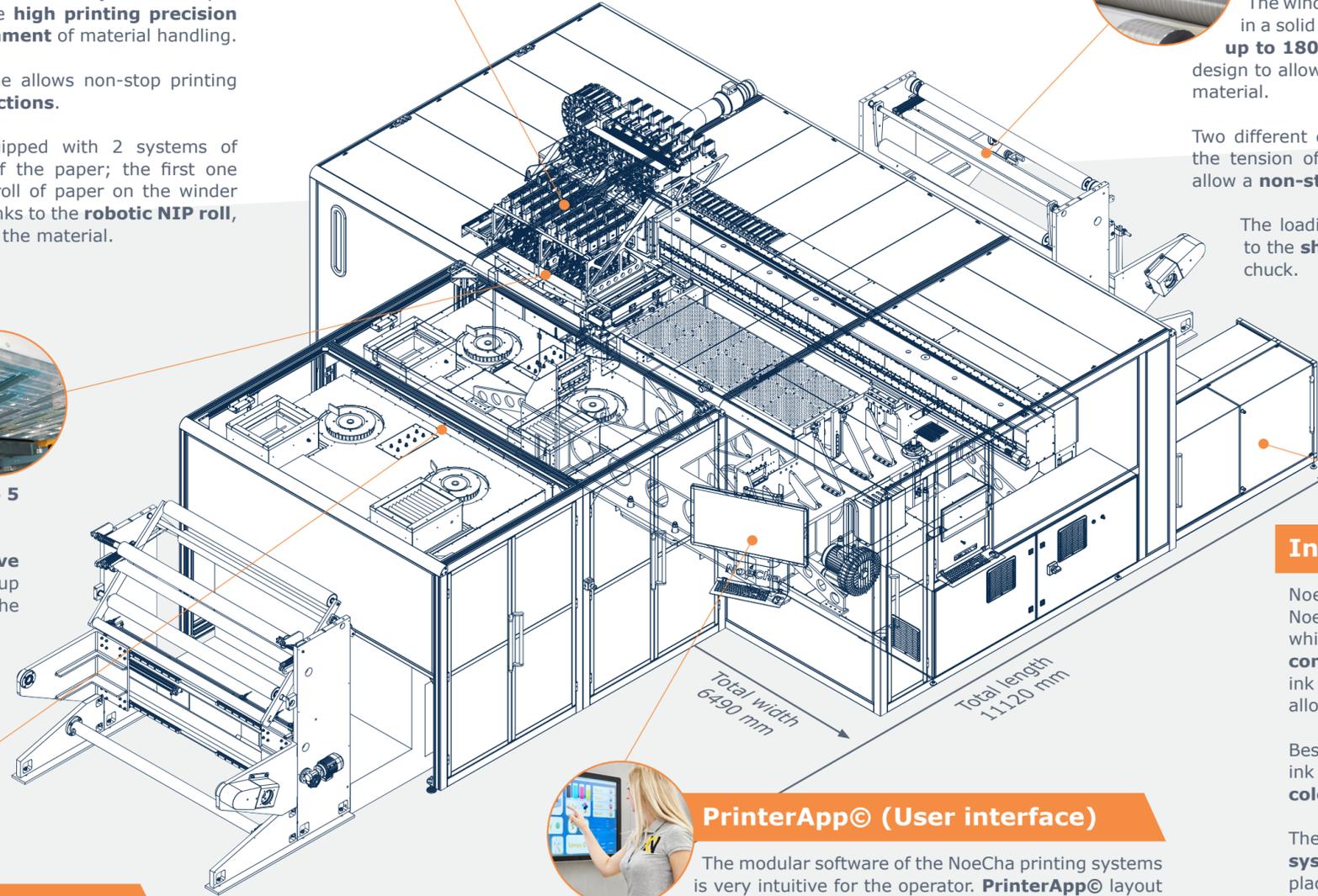
Inks



NoeCha ROLL2-S uses NoeCha Sublimation inks which are stored in **20-litre containers** directly connected to the ink system. A scale under each container allows an easy control of the ink levels.

Besides the process colors (CMYK) the ink system allows 4 additional **spot colors**, including **fluorescent** ones.

The ink circuit includes an **ink degassing system** which guarantees precise drop placement and perfect ink flow.





NoeCha ROLL2-S is a wide format roll-to-roll inkjet system dedicated to printing on paper for sublimation transfer, typically for **fashion and sportswear industry**.

Combining **great quality** and high level of productivity, the machine allows printing on rolls of paper of up to 1,8m width at a speed up to **850 linear m/h**.

The industrial design of the printer and its high precision mechanical structure guarantee great performances in terms of productivity, reliability and versatility.



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SUBLIMATION

