NW140-E
NW210-E
LABEL INTENSIVE THINKING

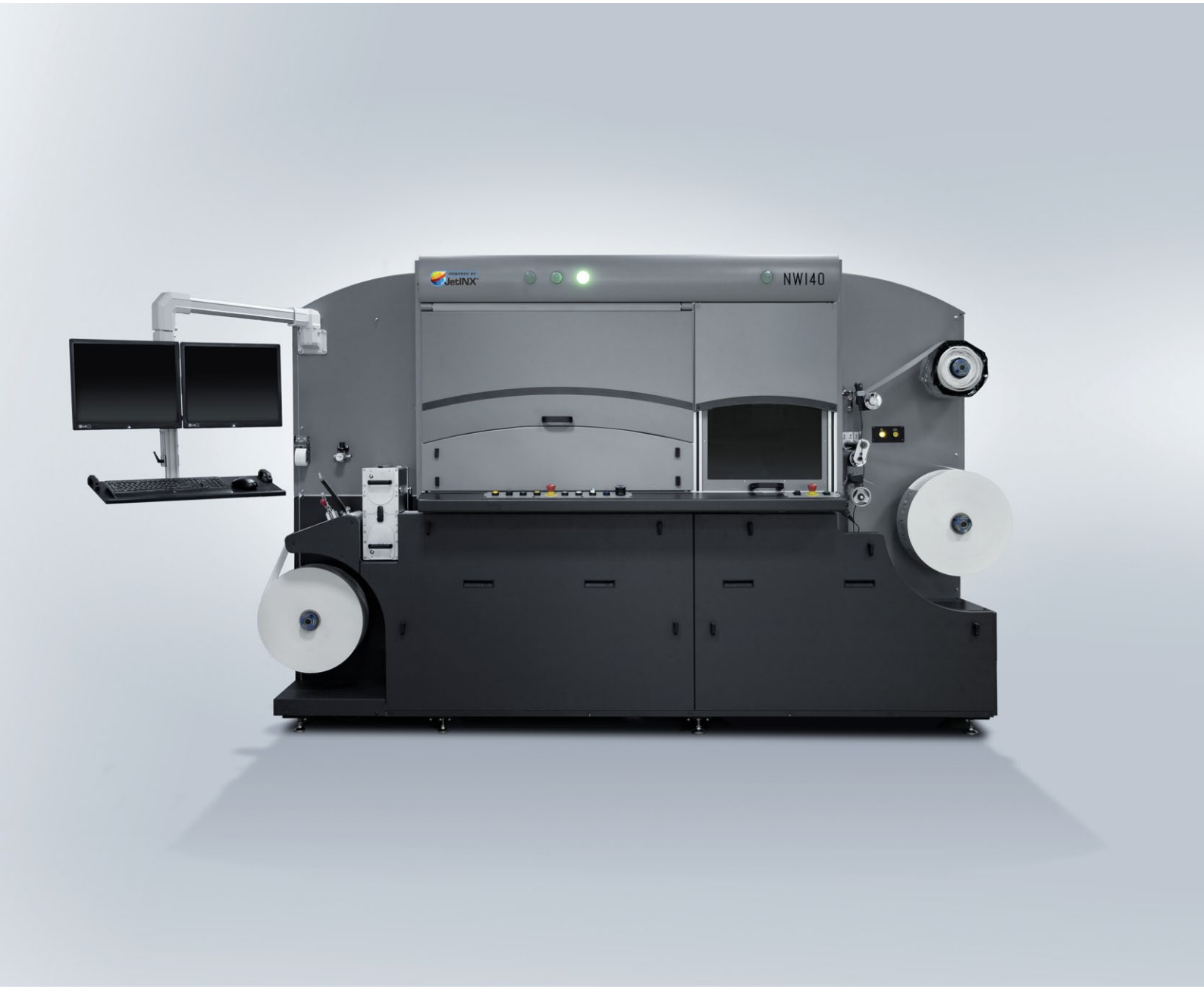
POWERED BY JetINX™

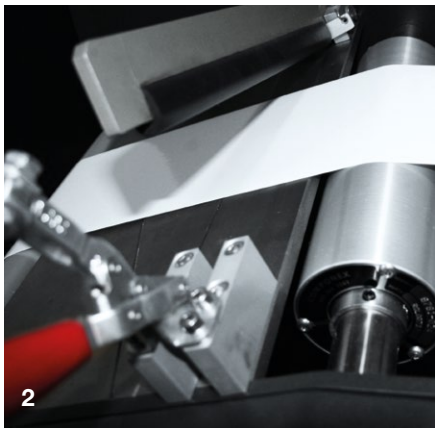
Original Fruit Tea
cream
Alive!

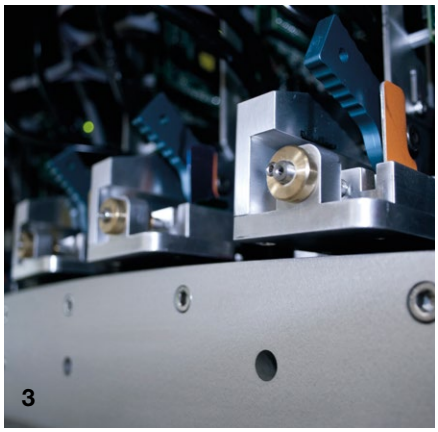
IT'S NOT JUST A LABEL PRESS BUT A REAL BUSINESS TOOL

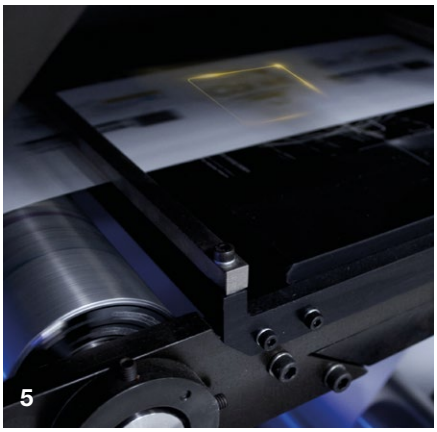
1-3 Food & Beverage /
4 Household care / **5** Personal care /
6 Pharmaceutical / **7** Industrial /
8 Garments / **9** Promotional

INX®




2


3


5

ADAPTABLE
FLEXIBLE
PROFITABLE
EASY-TO-USE
VERSATILE

1 Control Workstation

A powerful double-screen workstation allows the operator to easily check and manage every part of the system, from file upload and mechanical/laser settings to printheads and hydraulic adjustments.

2 Mounting Station

Once the new roll is fixed on unwinder, it's easy to feed it using the bending knife and hook it up to the existing strip. Drive the web and tighten it through the whole path in just a few minutes.

3 Printing Unit

The beating heart of the NW140/E and NW210/E printers are their easily accessible printing tower, equipped with six stations *(CMYK, White and optional Varnish)* and a total of 12 Xaar 1002 industrial inkjet printheads, with a smallest droplet size of 6 picoliters.

4 Web Cleaning Unit

Utilizes two groups of cleaning rollers combined with rubber rollers to remove dust and dirt. The two anti-static units remove any remaining electric charges.

5 Laser Die-Cutting

A fully-integrated end-to-end workflow is guaranteed by the in-line laser cutting unit. It allows the seamless production of any type of labels starting from digital design to finished product.

6 Heavy-duty rewinder

Finished labels, perfectly printed, cured and cut, are instantly rewound on a motorized roll. Through a quick and easy operation they can be removed, packed and made available for customer delivery and application.

7 Flood lamination unit

A high-speed cold-lamination unit is available for the flood *(full coverage)* lamination of any labels.

8 Corona station

A corona station is available on the NW Series for pre-treatment of substrates with low surface energy. Corona is recommended only for corona-treated plastic materials.

9 Variable data

Customers who need numbering, language versioning or fully-customized labels, even starting from a simple PDF or raster file, can count on the powerful variable-data features of NW Series.

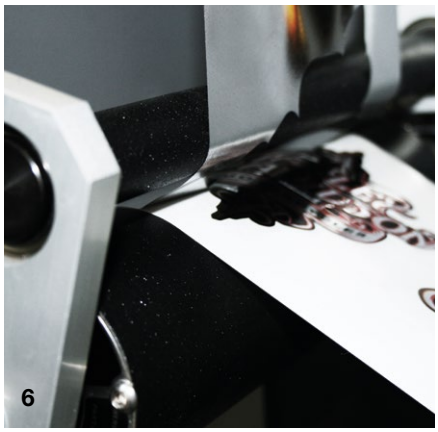
10 Roll-to-sheet unit

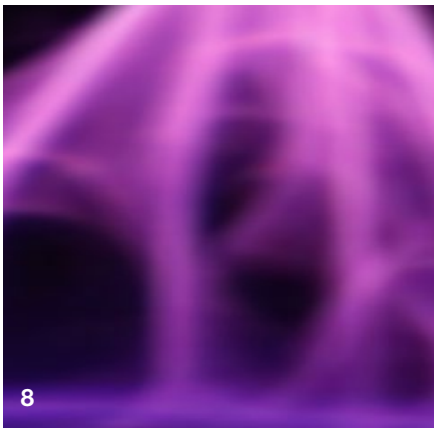
A versatile cross-cutting unit is available for in-line cutting of customized from the printed reel. Easily switch from cut labels to direct-mailing and 1:1 marketing campaigns up to A4 and other sheet-sizes.

11 Semi-rotary die-cutting unit

Optional / In place of laser die-cutting

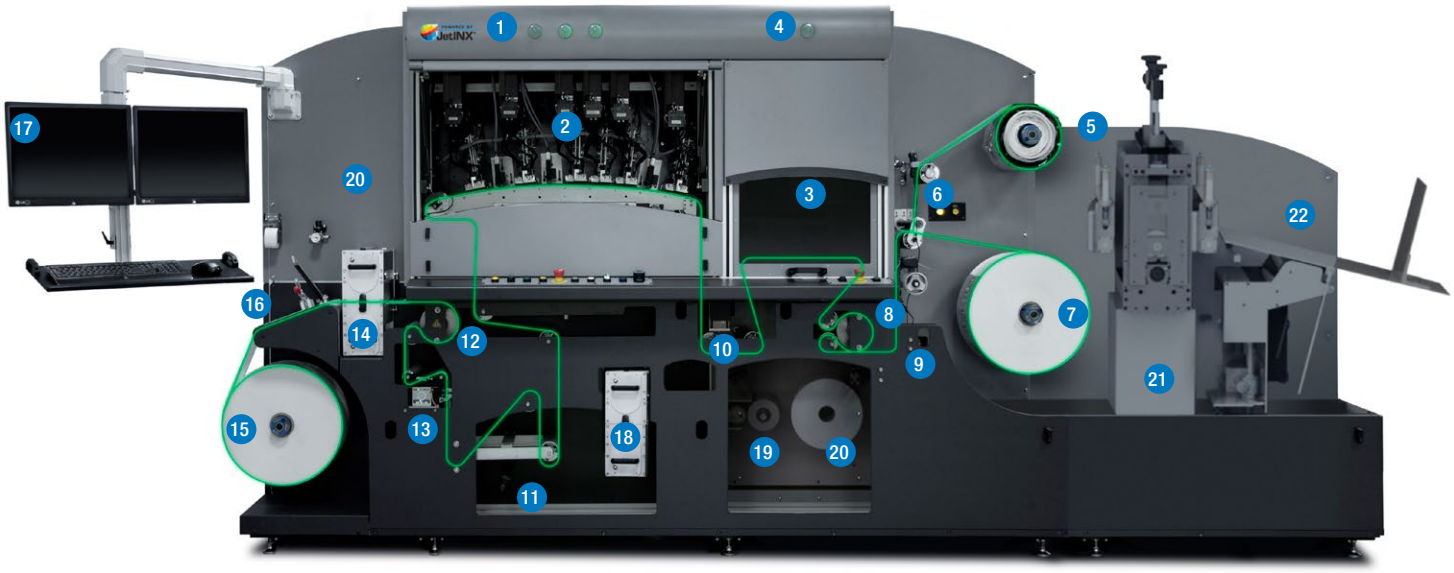
A physical die-cutting unit is available for those customers who require the highest customization in terms of texts, colours, languages and quantities, but have standard label-sizes or limited die-cut changes over the year.


6


8

9

INX®



(1) Light tower, printer station
(2) JetINX printing system
(3) Laser cutting system
(4) Light tower, laser station
(5) Scrap rewind
(6) Waste weed roller
(7) Product rewind
(8) Back scoring unit
(9) Servo drive
(10) Final LED UV cure lamp
(11) Dancer arm
(12) Servo drive
(13) Web steering
(14) Web cleaning system
(15) Unwinder
(16) Splicing table
(17) Main operator interface
(18) Corona treatment*
(19) Laminator*
(20) Laminate roll*
(21) Sheeter*
(22) Sheet stacking table*

* *Optional*

NW140-E
NW210-E
SPECIFICATIONS

PRINTHEAD TECHNOLOGY

Xaar® 1002 Printheads with an effective resolution of greater than 1000 dpi with 7 drop sizes from 6-42 picoliters

Xaar® TF Technology™ for improved printer reliability

AVAILABLE CONFIGURATIONS

CMYK + White / Laser
CMYK + White / No laser

CMYK / Laser
CMYK / No laser

Varnish *(Optional)*

RESOLUTION

Printing resolutions:
360 x 360 dpi
720 x 720 dpi

PRINT SPEED

Up to 80 linear feet per minute *(23 meters per minute)*

NW140/E MEDIA HANDLING

Print width:
up to 5.50" (*140 mm*)

Maximum Media
Width: 8.00" *(203 mm)*
Weight: 150 lbs *(70kg)*
Diameter: 24" *(610 mm)* on 3" *(76 mm)* core

NW210/E MEDIA HANDLING

Print width:
up to 8.25" (*210 mm*)

Maximum Media
Width: 8.75" (222 mm*)*
Weight: 150 lbs *(70kg)*
Diameter: 24" *(610 mm)* on 3" *(76 mm)* core

UV CURING SYSTEM

Low Heat UV LED Pinning and Curing Systems

INKS

Environmentally friendly UV curable inks specially formulated for high-speed single pass web printing on a variety of media types

NW140/E LASER DIE CUTTING

Spartanics X140 100W Laser Cutting Station

Cutting Area
Length: Infinite
Height: 7.87" *(200 mm)*

NW210/E LASER DIE CUTTING

Spartanics X210 200W Laser Cutting Station

Cutting Area
Length: Infinite
Height: 8.25" *(210 mm)*

ELECTRICAL

Printer:
208-240 VAC 60 Amps
3 Phase 50/60Hz

Chiller:
208-240 VAC 40 Amps
3 Phase 50/60Hz

OPERATING CONDITIONS

65-85 degrees F *(18-30 C)*

20% to 80%
relative humidity

PHYSICAL DIMENSIONS

Printer:
Approx 175"W x 56"D x 83"H, 3500 lbs.
(Including Spartanics Laser Cutting Station)

Chiller: 37"W x 44"H

MEDIA

Paper, polyester, biaxially oriented polypropylene *(BOPP)*, polypropylene *(PP)*, metalized media, and thin aluminum *(<0.1mm thick)*

IMAGE PROCESSING SYSTEM

Onyx Thrive
Onyx Production House

OPTIONS

Varnish *(inkjet)* /
Corona Treatment /
400 Watt Laser /
Sheeter /
Slitter /
Laminator

INX®

INX International Ink Co.
150 N.Martingale Rd Sui
Schaumburg, IL 60173
PH. (800) 631-7956
info@inxintl.com

INX®