



ADVANCED LABEL TECHNOLOGY



# JET D-SCREEN

## The digital embellishment





## CARTES introduces the new high quality standard of “Digital Embellishment” special effects with its exclusive technology, JET D-SCREEN.

The CARTES JET D-SCREEN digital unit allows you to create multi-layer effects such as 3D cast gold and braille printing. The CARTES research and development department, taking advantage of its many years of experience in traditional screen printing, has developed an innovative finishing technology that uses its own system which allows depositing a thicker layer previously impossible to achieve with Ink Jet technologies.

The work of the operator has been simplified extensively, allowing the selection of options from already predefined settings as well as the choice of the material to be used, thus achieving immediate production in the JDS unit without waste.

Materials that are printed with the JDS system do not need to be varnished or treated before, these processes may distort the “texture” of the material. The printing polymerization device consists of a hybrid LED/UV drying system that allows any type of material to be processed, even those most sensitive to temperature.

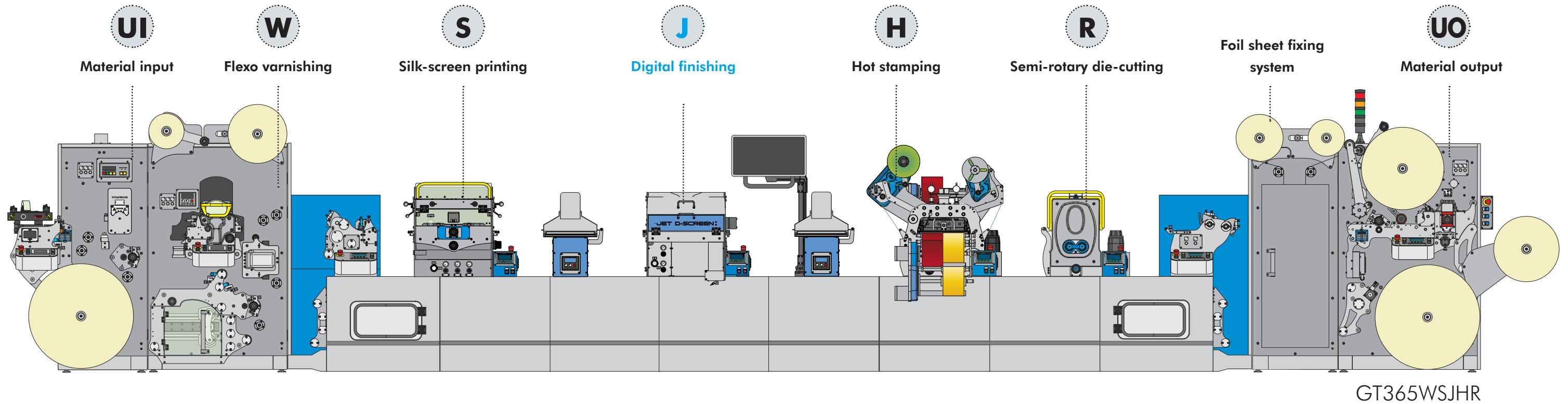
The JET D-SCREEN unit for digital Embellishment is the latest innovation in the wide range of CARTES developments. In a single step, it allows you to personalize and beautify labels, without tooling costs, with immediate start-up and without any waste of materials.

Modular, just as all CARTES technologies, it adapts to the requirements of Industry 4.0

## Advantages

- Until now, it has not been possible to achieve this level of Ink thickness with other Ink Jet Technology
- No tools required
- Immediate job change
- Material savings during start up
- Adapting the image to printing
- Immediate prior calculation of the necessary varnish contribution in the quote phase
- CARTES own technology
- Compatible with all materials, even natural ones and without special treatments for printing
- Fully designed to facilitate access to this technology even for small and medium-sized companies
- Extremely competitive cost





Technical data Jet D-Screen

Printing system	Digital printing system	Drop on Demand
	Native print resolution	360 dpi
	Print resolution	up to 360 x 1440 dpi
	Maximum print area	320 mm - ( 12.6 in )
	Print setting area	20 to 350 mm – ( 5 to 13.8 in )
	Number of print	heads x 3
	Print speed	up to 40 m/min – ( 130 ft/min )
	Relief height	up to 800 micron
	Image format	PDF or JPG, BMP, TIFF
	Level printing	Up to 3-level printing on the same image

Ink system	Container	5 L – ( 1.32 US Gal )
	Management system	Recirculation
	Varnish loading system	automatic
	Automatic washing system	included
	Type varnish	UV-Transparent

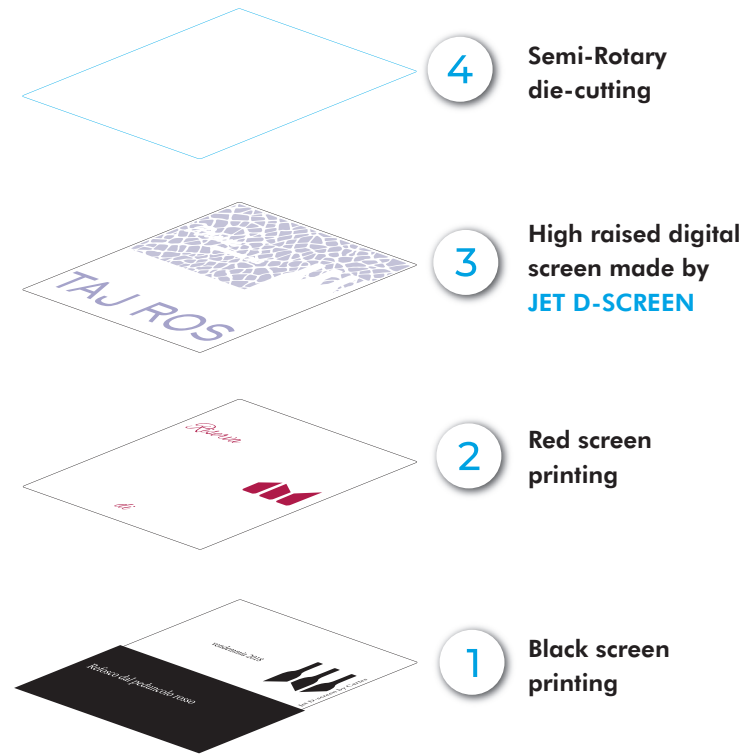
This catalog may contain inaccuracies or typographical errors.  
CARTES may make improvements and / or changes to the products at any time without prior notice.



## TAJ DI ROS label



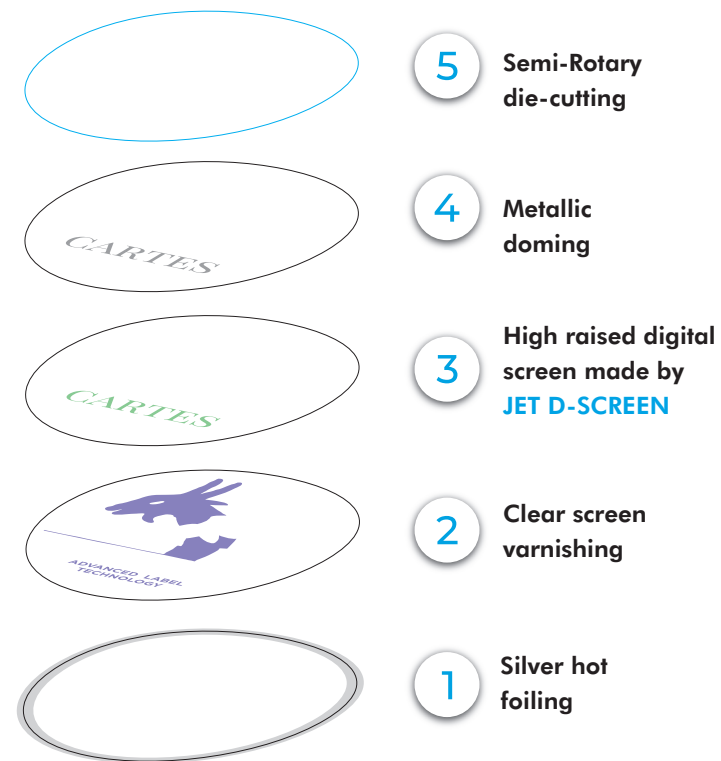
**Varnish consumption:** 1.5 L – (0.4 US Gal)  
per 10,000 labels  
**Height:** 50 microns



## OMBRA label



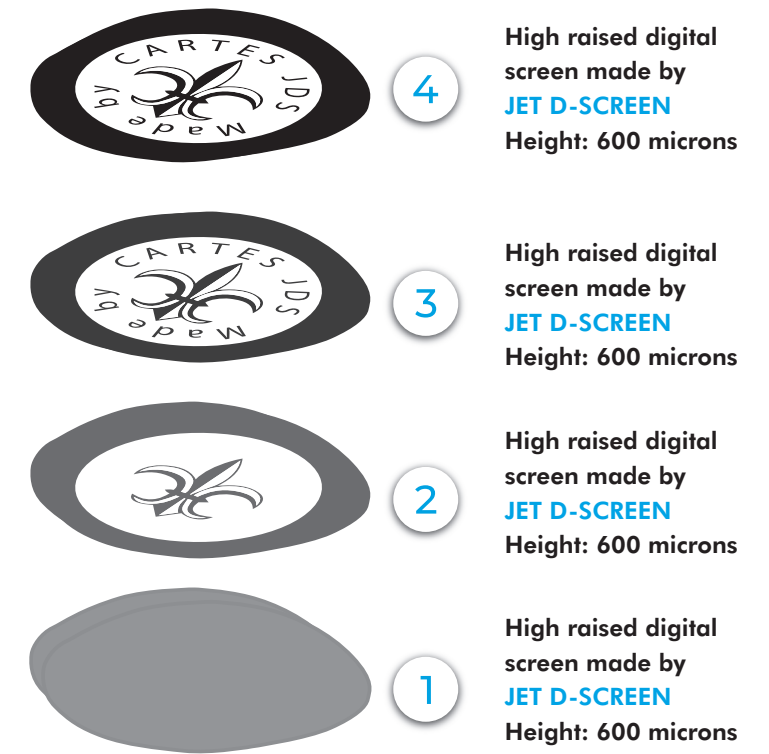
**Varnish consumption:** 0.8 L – (0.2 US Gal)  
per 10,000 labels  
**Height:** 100 microns



## CARTES stamp



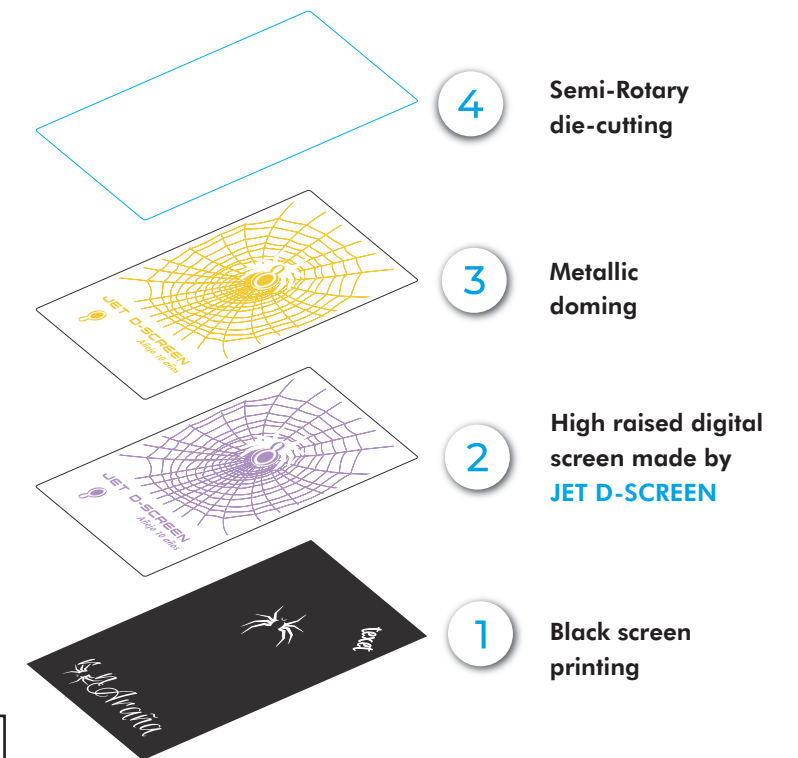
**Varnish consumption:** 2,6 L – (0.7 US Gal)  
per 10,000 labels  
**Height:** 600 microns

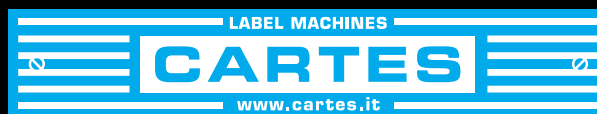


## ARAÑA label



**Varnish consumption:** 0,7 L – (0.2 US Gal)  
per 10,000 labels  
**Height:** 70 microns





**CARTES s.r.l.**

Headquarters

2, Via Michelangelo - 46024 Moglia (MANTOVA) ITALY

Tel. + 39 0376 511 511

Fax + 39 0376 55 77 55

**www.cartes.it - info@cartes.it**

**CARTES USA Inc**

230 Highway 35

Red Bank, NJ 07701-5910

Phone: (732) 933-4865

**www.cartes-usa.com - info@cartes-usa.com**