



DGXPRESS ER-641
DEALER GUIDE - WESTERN EUROPE

EPMT 03/03/2026

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Please Note:



ER-641 is a DGXpress branded, 64” print only device with CMYK. Previously this device was only available in certain global territories. From March 2026, this product will also be available in other regions including Western Europe.

In previously available regions, ER-641 is available with regional specific inks (D-EA/D-EA2)

In newly added regions (Western Europe), ER-641 will only be available with TH Ink as per the TrueVIS XP-640

Summary:

» **Objective**

To improve the portfolio by offering a low-cost 64” Print Only device similar to previously Available RF-640.

» **Background**

ER-641 has been sold in limited regions globally in recent years.
We are expanding this to now cover Western Europe.

» **Product concept**

Competitively priced hardware with lower cost TH inks as also used in XP-640 platform

DGXPRESS ER-641



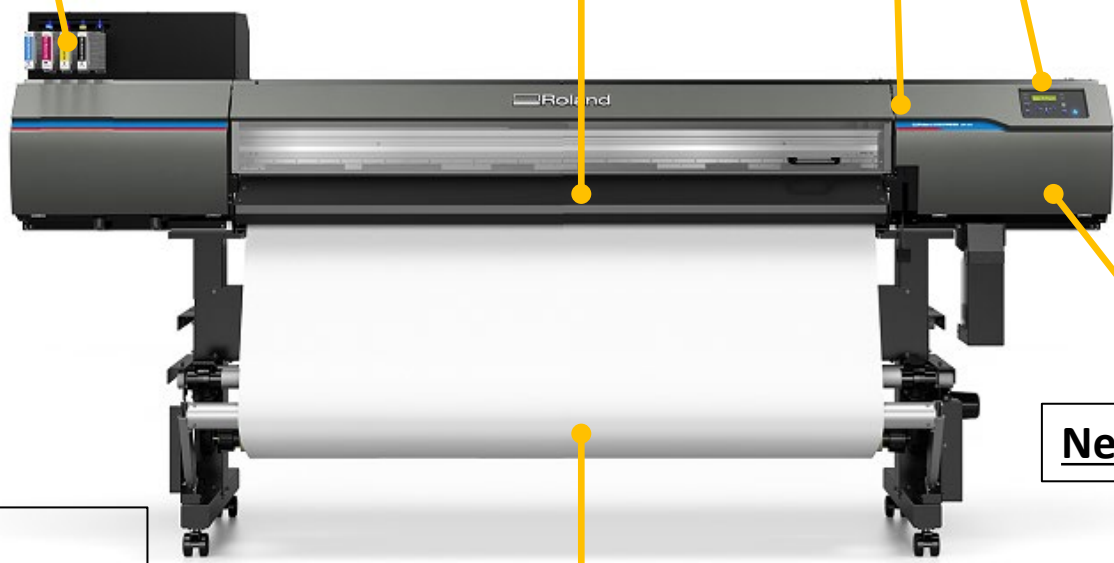
Product Overview:

Roland DGXPRESS ER-641

Eco-friendly paper-based ink cartridge
New recyclable cardboard cartridge (TH Ink)

Print heater/Dryer

Simple and easy operation
Easy to use traditional operation panel supporting all printer features



New print head

Enhanced standard accessory
Take-up system included as standard

Productivity*
Max speed
Banner : 43.5 m²/h (2pass)
Vinyl : 25.5 m²/h (4pass)

*Media quality can impact results

Dryer Unit	Option(DU3-64)
RIP Software	VersaWorks7
Cloud Service	Roland DG Connect



Product Features:

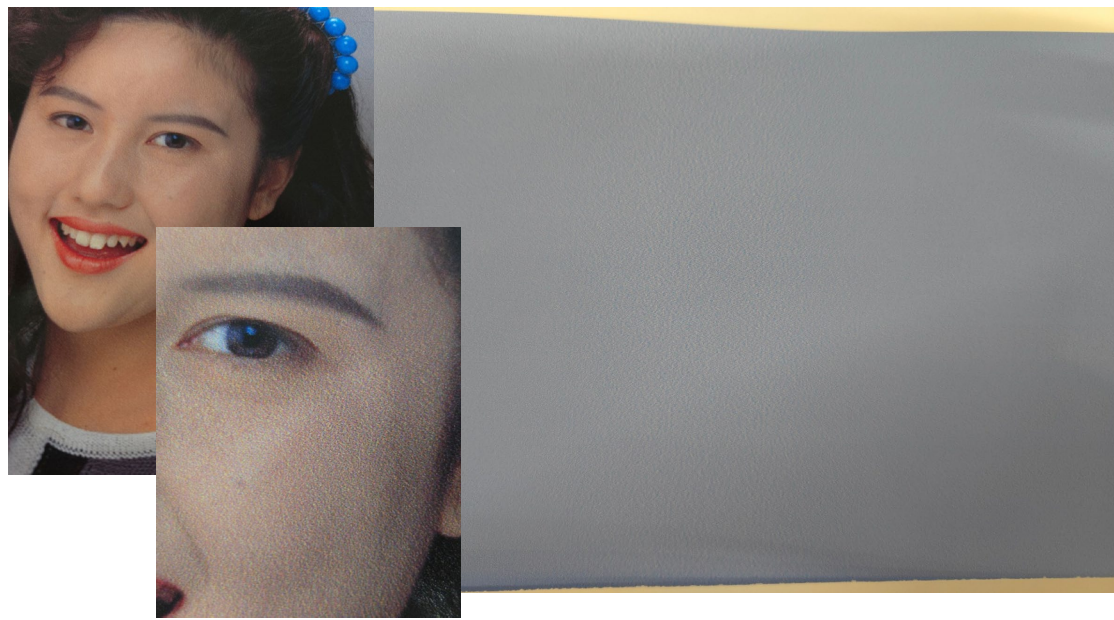
❖ New Dither Technology for Enhanced Print Quality from VersaWorks 7 version 7.1.0

ER-641 benefits from many of the recent updates to the XP/XG products

- **Robust Performance**

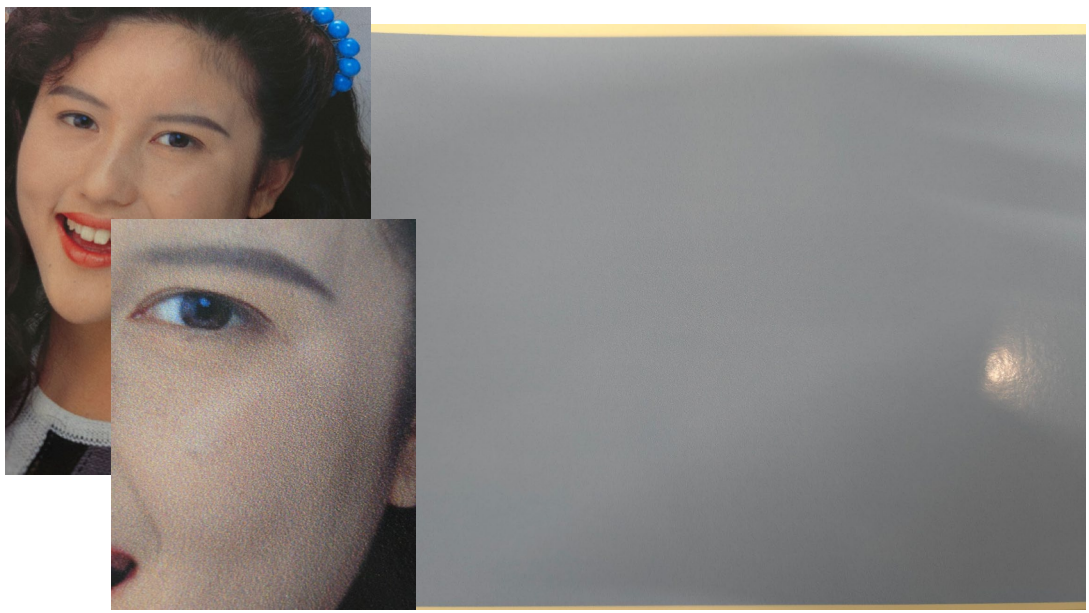
The new method maintains consistent image quality even in the presence of bidirectional misalignment or media lift, offering enhanced robustness under real-world printing conditions..

Current dither technology



Graininess worsens in the center because of media lift

New dither technology



Improved grain uniformity in the center

Product Features:

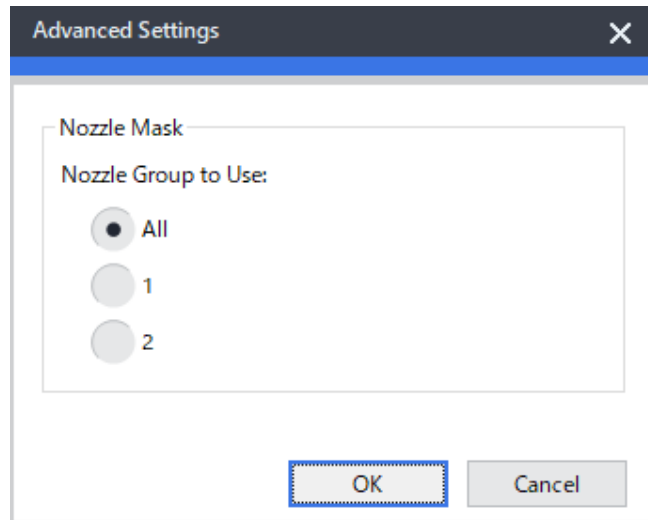
ER-641 has base modes for a variety of media:

- ✓ **Generic Vinyl 1:**
The standard mode for vinyl printing.
- ✓ **Generic Vinyl 2:**
Mode for media sensitive to blotting and media lifting, with reduced ink volume compared to Generic Vinyl 1.
- ✓ **Generic Banner 1:**
The standard mode for Banner printing.
- ✓ **Generic Banner 2:**
Mode for media sensitive to blotting, with reduced ink volume compared to Generic Banner 1.
- ✓ **Paper:**
Mode optimized for paper printing.
- ✓ **Backlit:**
Mode that increases the amount of ink for achieving high density and vivid colors for backlit applications.

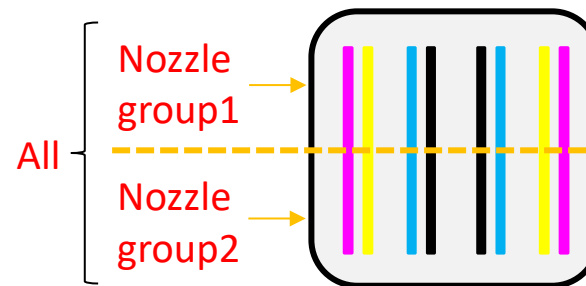
Product Features:

- ER-641 can reduce downtime in the following ways

1. **Nozzle mask function** enables selection of the nozzle group for printing if there are problems.

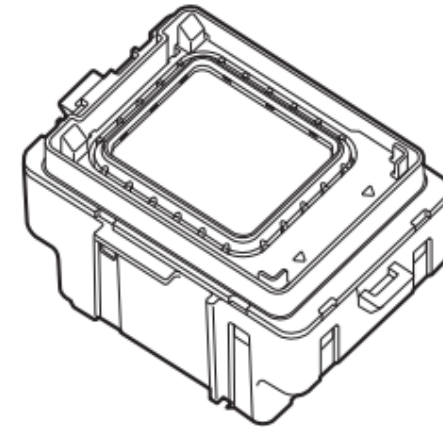


The print head figure is viewed from the top



- Group 1 is the nozzle on the back half of the top view.
- Group 2 is the nozzle in the front half of the top view.

2. Print **cap top** replacement **by end-user**.
No service technician required



Wiper, Wiper cleaner, and flushing sponge can also be replaced by users.

Specification:



		ER-641
Printing method		Piezo ink-jet method
Media	Width	259 to 1,625 mm
	Thickness	Max. 1.0 mm (39.3 mil) with liner
	Roll outer diameter	Max. 250 mm (9.8 in.)
	Roll weight	Max. 45 kg (99 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing width (*1)		Max. 1,615 mm (63.5 in.)
Ink	Type	Eco-Solvent Ink 500ml cartridge (TH ink)
	Color	Four colors(Cyan, Magenta, Yellow, and Black)
Printing resolution (dots per inch)		Max. 1,200 dpi
Media heating system (*2)		Print heater set temperature: 30 to 45 °C Dryer set temperature: 30 to 55 °C
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		100-120 / 220-240 Vac. 50 / 60 Hz 8.9 / 4.5 A
Power consumption	During operation	Approx. 1,180 W
	Sleep mode	Approx. 50 W
Acoustic noise level	During operation	66 dB (A) or less
	During standby	53 dB (A) or less
Dimensions (width x depth x height)		2,886 mm x 748 mm x 1,415 mm
Weight		185 kg
Environment	During operation	Temperature : 20 to 32 °C, humidity: 35 to 80 % RH (no condensation)
	Not operating	Temperature : 5 to 40 °C, humidity: 20 to 80 % RH (no condensation)



Accessories:

Consumable item	
Ink	TH-CY
	TH-MG
	TH-YE
	TH-BK

Optional item	
Dryer Unit	DU3-64

Service parts	
Service parts (User-replaceable)	Wiper Wiper cleaner Flushing sponge Print Head Cap

[Cleaning cartridges]

- Installation : Requires ESL4-CL2 x4
(Included in Box)
- **TR2-CL2* (Included in the box)**
* KIT,CLEANING(TR2-CL2) SV 100ML
(Parts No : 6000006273)
- Head Wash : ESL4-CL2 x4 pieces

Please Note:

Initial installations of ER-641 and TH inks will have the following small limitations. We expect a firmware/software update in the future to correct this.

» Ink Type

- » On installation “D-EA2” ink should be selected
- » To avoid ink error message, the 4 ink IC connectors should be disconnected

» Limitations

- » Ink chips will not be read by VersaWorks/printer, but ink empty sensor will be accurate

Appendix



Media Stability:

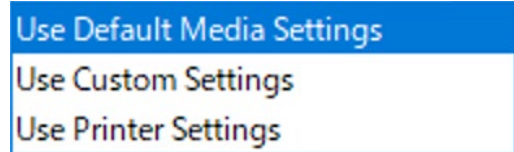
The ER-641 has high productivity and large media feeding length per pass. To minimise media feed issues on some PVC media, the following countermeasures have been implemented:

■ **"Use Default Media settings" in VersaWorks as a default for Generic Media**

- Unlike other printers, the Heater Controls and Other Controls are set to "Use Default Media Settings" instead of "Use Printer Settings" to apply proper vacuum force and heater temperature to reduce media floating.

	Print Heater	Vacuum Power	Note
Generic Vinyl 1	40°C	Strong	<ul style="list-style-type: none"> • Standard profile for general PVC media • Reduce media floating by setting "Vacuum Power : Strong"
Generic Vinyl 2	35°C	Strong	<ul style="list-style-type: none"> • Profile with reduced ink volume compared to General 1 to reduce bleeding and media floating • Reduce media floating by setting "Print Heater: 35°C / Vacuum Power : Strong"
Generic Banner 1	40°C	Normal	<ul style="list-style-type: none"> • Standard profile for general banner media • Enhance banner media transportability by setting "Vacuum Power : Standard"
Generic Banner 2	40°C	Normal	<ul style="list-style-type: none"> • Profile with reduced ink volume compared to General 1 to reduce bleeding • Enhance banner media transportability by setting "Vacuum Power : Standard"

*If print quality is not stable with default settings or profile settings, please make custom settings for each media.
 *The following settings are also available as in the case of conventional models such as VG3.



Productivity:



	Resolution(dpi)		Pass	Direction	Scan speed (mm/s)	Throughput (m ² /h)
	Scan	Feed				
Generic Vinyl 1 Generic Vinyl 2	900	600	4	Bi	1219	25.5
	600	1200	4	Bi	914	20.6
	900	1200	6	Bi	1219	17.0
	900	1200	8	Bi	1219	12.4
	1200	1200	8	Bi	914	10.1
	1200	1200	12	Bi	914	6.7
Generic Banner 1 Generic Banner 2	600	1200	2	Bi	914	43.5
	900	600	3	Bi	1219	35.0
	600	1200	3	Bi	914	28.6
	600	1200	4	Bi	914	20.6
	900	1200	6	Bi	1219	17.0
	900	1200	8	Bi	1219	12.4
	1200	1200	8	Bi	914	10.1

Productivity:

	Resolution(dpi)		Pass	Direction	Scan speed (mm/s)	Throughput (m ² /h)
	Scan	Feed				
Paper	600	1200	4	Bi	914	20.6
	900	1200	6	Bi	1219	17.0
	900	1200	8	Bi	1219	12.4
	1200	1200	8	Bi	914	10.1
	1200	1200	16	Bi	914	5.0

	Resolution(dpi)		Pass	Direction	Scan speed (mm/s)	Throughput (m ² /h)
	Scan	Feed				
Backlit	900	1200	6	Bi	760	5.8
	900	1200	8	Bi	609	3.5
	1200	1200	12	Bi	457	1.8

תודה
Dankie Gracias
Спасибо شكراً
Köszönjük Merci Takk
Grazie Dziękujemy Terima kasih
Ďakujeme Vielen Dank Děkojame
Kiitos Täname teid 谢谢
Thank You Tak
感謝您 Obrigado Teşekkür Ederiz
Σας Ευχαριστούμ 감사합니다
Bedankt Дěkujeme vám
ありがとうございます
Tack