Mimaki™

3.2M Grand Format Inkjet Printer

SWJ-320EA

1. Max. Print speed 137 sqm/h

Empowered high productivity 20％faster than SWJ-320 S4*

*Comparison speed : Printing PVC
SWJ-320EA: 35 sqm /h (600x600 dpi 8P Bi)
SWJ-320S4 : 29 sqm /h (720x600 dpi 8P Bi)

2. Mimaki's leading edge technology

MAPS4 / Variable dot print with a min. dot size of 7pl / NRS(Nozzle Recovery System)

3. Enhanced operability and functions

Feeding and take -up system for media up to 100kg
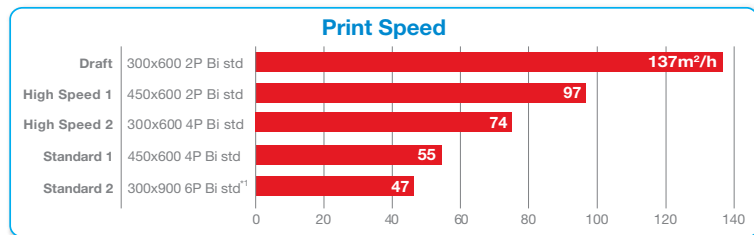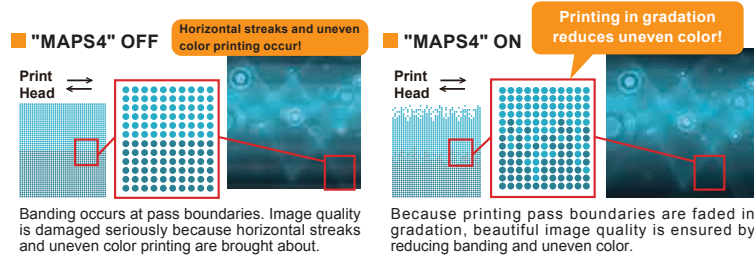3 Liter ink supply system
Twin-Roll printing

SWJ-320EA

Mimaki's Core Technologies
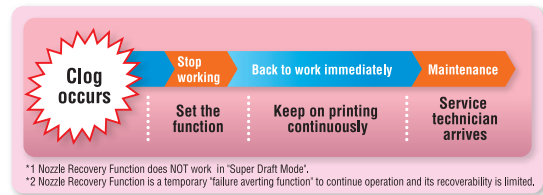
Mimaki Advanced Pass System (MAPS4)

In ordinary printers, the straight pass boundaries often results in bandings and discoloration due to slight misalignment. The "MAPS4 (Mimaki Advanced Pass System 4)" functionality provides gradation to printed pass boundaries and reduces banding and uneven color, achieving a beautiful printing result.

■ "MAPS4" OFF — Horizontal streaks and uneven color printing occur!

Print Head

Banding occurs at pass boundaries. Image quality is damaged seriously because horizontal streaks and uneven color printing are brought about.

■ "MAPS4" ON

Printing in gradation reduces uneven color!

Print Head

Because printing pass boundaries are faded in gradation, beautiful image quality is ensured by reducing banding and uneven color.

Print Speed

		m²/h
Draft	300x600 2P Bi std	137m²/h
High Speed 1	450x600 2P Bi std	97
High Speed 2	300x600 4P Bi std	74
Standard 1	450x600 4P Bi std	55
Standard 2	300x900 6P Bi std*1	47

(scale: 0 20 40 60 80 100 120 140)

Print speed of tarpaulin media
* Print mode 300x900 dpi is only available with CS100 ink.
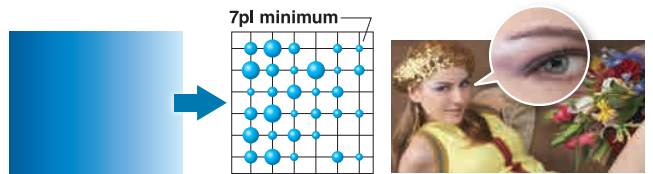
Nozzle Recovery System (NRS)

In the unlikely event of a nozzle dropping out during a long print run, the Nozzle Recovery System (NRS) enables the printer to keep on printing in excellent quality until maintenance is performed.

Clog occurs → Stop working → Back to work immediately → Maintenance

Set the function | Keep on printing continuously | Service technician arrives

*1 Nozzle Recovery Function does NOT work in "Super Draft Mode".
*2 Nozzle Recovery Function is a temporary "failure averting function" to continue operation and its recoverability is limited.

Proven High Resolution and Print Quality

Variable dot print with a minimum dot size of 7pl

Mimaki's world proven technology produces unbeatable high definition and resolution prints. With three different dot sizes (7pl minimum) and a maximum resolution of 900 x 1,200dpi, the SWJ-320EA ensures fantastic print results without that grainy appearance.

7pl minimum

Twin-roll printing doubles productivity, shortens delivery times

Taking full advantage of the 3200-mm printing width, two media rolls can be mounted for simultaneous printing.∗
Different (or same) print jobs can be printed on the two separate rolls.
Users can select a preferred width separately for each roll.
SWJ-320EA helps to shorten delivery time and reduce workload.

∗ The option "Small Take-up unit (OPT-J0394)" is required.

■ Specifications

Item		SWJ-320EA
Head		4 heads: 2-layered staggered arrangement in 2-line
Print resolution		300 / 450 / 600 / 900 / 1,200 dpi
Maximum Printing width		3,200 mm (126.0 in)
Ink	Type	Solvent ink CS100 / CS200* (C,M,Y,K)
	Ink supply system	3 L per color pouring system with 2 L bottle
Media	Max. width	3,250 mm (128.0 in)
		Twin rolls setteing: 1,524 mm (60.0 in) of each
		Roll holder setting: 1,620 mm (63.7 in)
	Min. width	210 mm (8.2 in)
	Weight	Feeding: up to 100 kg (220 lbs)
		Take-up: up to 100 kg (220 lbs)
		When using the roll holders:25 kg (55.1 lb) or less
Drying unit		3-way intelligent heater (Pre/Print/After)
Certifications		VCCI Class A / FCC Class A / ETL UL 60950-1 / CE Marking (EMC, Low voltage, Machinery directive) / RoHS /CB Report / REACH /EAC
Interface		Ethernet 1000BASE-T / USB2.0
Power		AC200 - 240 V, 50/60 Hz, 29 A or less
Power consumption		6.9 kW or less
Operation environment		Temperature:20-30 degC 64-86 degF
		Humidity: 35 to 65 % Rh (No condensation)
Deimension		5,410 x 995 x 1,440 mm (213 x 39.2 x 56.7 in)
Weight		Less than 850 kg (1,873.9 lb)
Incl.		RIP(RasterLink6Plus), Media feeding /Take-up device

* CS200 is available in specific countries only.

• Some of the samples in this catalog are artificial renderings. • Specifications, design and dimensions stated in this catalog may be subject to change without notice (for technical improvements, etc.). • The corporate names and merchandise names written in this catalog are the trademark or registered trademark of the respective corporations. • Inkjet printers print using extremely fine dots, so colors may vary slightly after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to another due to slight individual differences. •Please note that descriptions and data in this catalog are as of February 2020.

Economical Solvent Ink "CS100"&"CS200"

Affordable yet reliable solvent ink "CS100"&"CS200"

The series of CS ink of 2L bottle type are more affordable than conventional cartridge, which have exceptional stability and low propensity to clog nozzles.

The CS ink also brings the same high Mimaki standards for color accuracy, image durability and weatherability found in other conventional Mimaki solvent inks.

C M Y K

■ Supplies & Options

Supply				
Item		Color	Item no.	Remarks
Solvent ink	CS100	Cyan	I-CS100-C-BB-1-SW	2L bottle
		Magenta	I-CS100-M-BB-1-SW	
		Yellow	I-CS100-Y-BB-1-SW	
		Black	I-CS100-K-BB-1-SW	
	CS200*	Cyan	I-CS200-C-BB-1-SW	
		Magenta	I-CS200-M-BB-1-SW	
		Yellow	I-CS200-Y-BB-1-SW	
		Black	I-CS200-K-BB-1-SW	

Option		
Item	Item no.	Remarks
Small Take-up Unit	OPT-J0394	For printing two media simultaneously
Take-up Roll Holder Unit	OPT-J0409	For taking-up printed media to paper core instead printer's roll shaft
3.2 m Roll Shaft Unit	OPT-J0410	Media shaft for ensuring stable media feeding on the feeding side: effective to loosely winding media

* CS200 is available in specific countries only.

Newly upgraded RIP software with higher functionality and more user-friendliness

RasterLink6 PLUS

Simple icon display - Intuitive and easy-to-understand operability
Save operation time by registering settings as favorites