

InkTec NEW Pigment & Dye bulk inks for Epson Expression Premium XP series and Photo XP series

1 | Printer

Epson Expression Premium XP Printer series

- Color : Pigment BK, Photo BK, Cyan, Magenta, Yellow
- Feature : Optimized to print text documents as well as photos
- Available with Continuous Ink Supply system



Epson Expression Photo XP Printer series

- Color : Photo BK, Cyan, Magenta, Yellow, Light Cyan, Light Magenta
- Feature : Optimized to print photos
- Available with Continuous Ink Supply system

2 | InkTec new ink specification

- Available color : Pigment BK, Photo BK, Cyan, Magenta, Yellow, Light Cyan, Light Magenta
- Package : 1Liter Bottle, 20Liter Bottle

Compatible Table

For use with	OEM No.	Reorder No.	Colorant	Color
Expression Premium XP-510/ 600/ 601/ 605/ 610/ 615/ 700/ 701/ 702/ 710/ 800/ 801/ 802/ 810	T2551/ T2601/ T2621/ T2690/ T2730/ T273XL0	E0015-01LB/ 20LB	Pigment	● Black
	T2561/ T2611/ T2631/ T2691/ T2731/ T273XL1	E0014-01LB/ 20LB	Dye	● Black
	T2562/ T2612/ T2632/ T2692/ T2732/ T273XL2	E0014-01LC/ 20LC		● Cyan
	T2563/ T2613/ T2633/ T2693/ T2733/ T273XL3	E0014-01LM/ 20LM	Dye	● Magenta
	T2564/ T2614/ T2634/ T2694/ T2734/ T273XL4	E0014-01LY/ 20LY		● Yellow
Expression Photo XP-750/ 850	T2421/ T2431/ T2771/ T277XL1	E0014-01LB/ 20LB	Dye	● Black
	T2422/ T2432/ T2772/ T277XL2	E0014-01LC/ 20LC		● Cyan
	T2423/ T2433/ T2773/ T277XL3	E0014-01LM/ 20LM		● Magenta
	T2424/ T2434/ T2774/ T277XL4	E0014-01LY/ 20LY		● Yellow
	T2425/ T2435/ T2775/ T277XL5	E0014-01LLC/ 20LLC		● Light Cyan
	T2426/ T2436/ T2776/ T277XL6	E0014-01LLM/ 20LLM		● Light Magenta

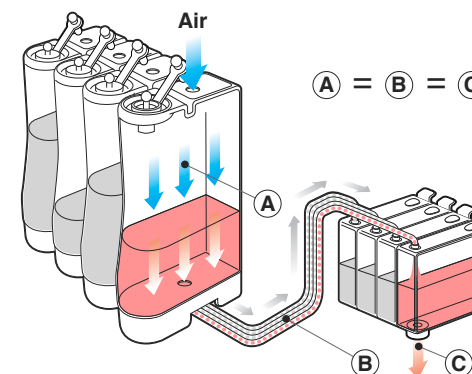
3 | Features

1) Optimized ink for CISS

The Printing might perform better when the air pressure in the ink tank (A) and the jetting pressure in the cartridge (C) are well balanced.

However, the recently release printers have over 30ppm of printing speed. With this printing speed, the pressure in the system hardly keep in the balance. It causes nozzle missing problem in the printing. InkTec New inks above are specially formulated to go well with CISS in the market by controlling the surface tension and viscosity.

With the printing speed over 30ppm, there are no nozzle missing.



InkTec New ink		Counterparts in the market	
Surface tension	viscosity	Surface tension	viscosity
28 ~ 35 dynes/cm	2.7 ~ 3.5cP	37 ~ 43 dynes/cm	3.5 ~ 4.2cP

► **Surface Tension** : the tension of the surface film of a liquid caused by the attraction of the particles in the surface layer by the bulk of the liquid, which tends to minimize surface area.

► **Viscosity** : an internal property of a fluid that offers resistance to flow.

2) As close as OD & color gamut of Original

[Optical Density]

InkTec new ink is formulated its optical density as close as that of original ink.
Higher value means deeper and darker of its color.

Epson Expression Premium XP

Color	Pigment BK	BK	Cyan	Magenta	Yellow
InkTec OD	1.2	1.18	1.08	0.94	1.15
OEM OD	1.22	1.08	0.89	0.87	1.1

► Test Conditions

1. Printer : Epson Premium XP-601
2. Paper : Epson Premium Inkjet paper
3. Printing Option : Plain paper / Text

Epson Expression Photo XP

Color	BK	Cyan	Magenta	Yellow	Light Cyan	Light Magenta
InkTec OD	1.18	1.01	0.93	1.15	0.87	0.55
Original OD	1.08	0.85	0.88	1.09	0.76	0.25

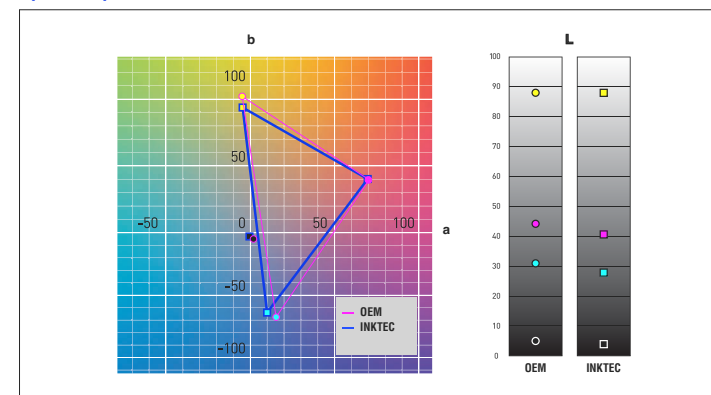
► Test Conditions

1. Printer : Epson Photo XP-750
2. Paper : Epson Premium Inkjet paper
3. Printing Option : Plain paper / Text

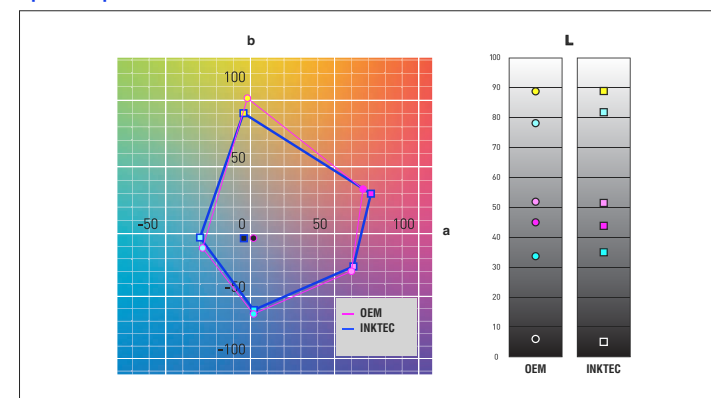
[Color gamut]

Color gamut is the entire range of colors that inks can present.
For objective and accurate measurement, InkTec measures the color quality and presentation using L*a*b values of CIE, The international standard and most widely use.
If the both inks show the similar space, it means the color gamut of two inks is equivalent.

Epson Expression Premium XP



Epson Expression Photo XP

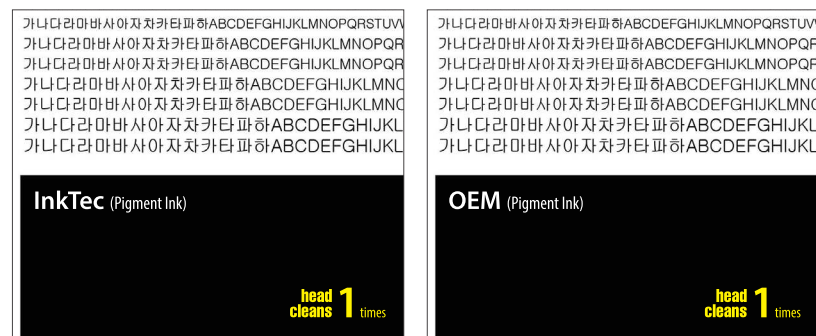


3) Suitability of continuous printing

Continuous inks supply system (CISS) is the equipment that is able to supply the inks continuously to the cartridge from exterior tanks.

In terms of the ink quality, stable ink flow during long term printing work are very important. InkTec inks are specially formulated to suit a continuous inks supply system(CISS) and provide excellent printing quality.

Epson Expression Premium XP



Epson Expression Photo XP



► **Test Conditions :** We count the number of total heads cleaning during printing total 400pages (100pages each color)
The fewer head cleaning indicates that the inks have a better ink stream and higher printing quality

4 | Resetting cartridge with CISS

- Simply take out and install the cartridge again when the ' reset the cartridge' message pops up.
Reset done.

[Warning]

- During the resetting the cartridge, air might go into the connection area between the head and cartridge ink outlet due to the fact that the ink outlet of the new cartridge has been wider. It may cause the nozzle missing in the initial printing. Please run the head cleaning once then problem will disappear.