MHD Wide Format Printing Solutions

Compatible with Mimaki, Roland, Mutoh, HP, Epson

Compatible Chip for Mimaki, Roland, Mutoh, HP
Compatible Empty Cartridge for Mimaki, Roland, Mutoh, HP
Compatible Ink Bag for Mimaki, Roland, Mutoh, HP
Bulk Ink System for Mimaki, Roland, Mutoh, HP
Ink Filing Machine by Vacuum Chamber and Peristaltic Pump Type
Chip Programmer for Mimaki, Roland

DESIGN - DEVELOPMENT - MANUFACTURE

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Compatible Chip	Mimaki (220ml, 440ml, 500ml, 600ml)	One Time Chip	. SS1, SS2, Pigment Ink (Aqueous), ES3, HS, SB1, SB52, SB53, SS21, BS3 UV CURABLE Ink, LH-100, LF-200, Reactive Dye, LF-140, F-200, TP3
		Permanent Chip	. SS1, SS2, ES3, HS, SB1, SB52, SB53, SS21, BS3
	Mimaki (2,000 ml)	One Time Use	. ES3, HS, SB52, SB53, SS21, BS3
		Permanent Chip	. ES3, HS, SB52, SB53, SS21, BS3
	Roland	One Time Chip	. Eco Sol Max1, Eco Sol Max2, Eco Sol Max3
			. Eco-UV Ink, FPG1, AJ-1000 (Eco XTtreme i / Eco Xtreme LT)
		Permanent Chip	. Eco Sol Max1, Eco Sol Max2, Eco Sol Max3
	HP	One Time Chip	. HP 1000 and HP 1050 . HP 5000 and HP 5500 (Dye / UV) . HP 9000 and HP 10000 . HP Z6100
		Permanent Chip	. HP Z6100
Compatible Empty Cartridge Assembly	Mimaki, Roland, Mutoh		. 440ml Empty Cartridge Assembly . 220ml Empty Cartridge Assembly
	HP		. HP 1000 and HP 1050 Empty Cartridge Assembly . HP 5000 and HP 5500 (Dye / UV) Empty Cartridge Assembly . HP 9000 and HP 10000 . HP Z6100 Empty Cartridge Assembly
Bulk Ink System	Max. 2 Liter Bulk Ink System (Mimaki, Roland, Mutoh)		. 4C X 4CT (4 CISS Cartridge + 4 External Ink Supply Container) . 8C X 4CT (8 CISS Cartridge + 4 External Ink Supply Container) 4C Double . 6C X 6CT (6 CISS Cartridge + 6 External Ink Supply Container) . 8C X 8CT (8 CISS Cartridge + 8 External Ink Supply Container) 4C Double
	EPSON		. EPSON 11880, 9 C (Photo BK, C, VM, Y, LC, VLM, LK, Matte BK, LLK) . EPSON 9900, 7900, 11 C (Photo BK, C, VM, Y, LC, VLM, LK, Matte BK, LLK, O, G) . EPSON 9700, 7700, 5 C (Photo BK, C, VM, Y, Matte BK)
	HP		. HP Z6100
Ink Filing Machine	Peristaltic Pump Type		. Ink Filling Machine by Peristaltic Pumps and Load Cell Control . ~ Max. 2,500 ml Ink Bag . 440ml, 220ml Compatible Ink Cartridge with Mimaki, Mutoh, Roland
	Vacuum Chamber Type		. Ink Filling Machine by Vacuum Chamber Type without Air and Bubble . 220ml, 440ml, 600ml, 2,000ml Ink Bag …….. . Specification by Customer's Requirement
Chip Programmer	Mimaki Chip Maker		. Compatible One Time Use Chip Maker by a New Blank Chip
	Roland Chip Maker		. Compatible One Time Use Chip Maker by Used Chip

Ink Bag	MBIS Nozzle Type (Mimaki)	. MBIS (M Type) 2,000ml Ink Bag compatible with Mimaki MBIS System . MBIS (M Type) 1,000ml Ink Bag compatible with Mimaki MBIS System (: Roland 1,000ml Texart Ink Bag)
	Normal Nozzle Type (Mimaki, Roland , Mutoh)	. 220ml Ink Bag (Pouch Type) . 220ml Ink Bag (Back Open Type) . 440ml Ink Bag (Pouch Type) . 440ml Ink Bag (Back Open Type) . 600nk Ink Bag (Pouch Type) . 600nk Ink Bag (Back Open Type) . 1,000ml Ink Bag (Pouch Type) . 1,000ml Ink Bag (Pouch Type) - Nozzle Sealing Tape Cap . 1,000ml Ink Bag (Back Open Type) . 1,000ml Nylon Transparent Ink Bag (Pouch Type) . 1,000ml Nylon Transparent Ink Bag (Back Open Type) . 1,000ml Refill Ink Bag (MBIS Nozzle + Ink Inlet with Cap) . 1,000ml Nylon Transparent Refill Ink Bag (MBIS Nozzle + Ink Inlet with Cap) . 220ml UV Ink Bag (Pouch Type) - Black Color
	Dual Nozzle Type (MBIS Nozzle + Normal Nozzle)	. 800ml Dual Nozzle Ink Bag (MBIS Nozzle + Normal Nozzle) . 1,000ml Dual Nozzle Ink Bag (MBIS Nozzle + Normal Nozzle) . 1,000ml (M Type) Dual Nozzle Ink Bag (MBIS Nozzle + Normal Nozzle) . 2,000ml (M Type) Dual Nozzle Ink Bag (MBIS Nozzle + Normal Nozzle)
	Mutoh Type	. 1,000ml Ink Bag for Mutoh Pack Bulk Ink System . 1,000ml Plastic Support Guide Ink Bag
	Roland Type	. 1,000ml Texart Ink Bag (Pouch Type)
	HP Type	. HP 9000S Ink Bag (Pouch Type) . HP 9000S Ink Bag (Back Open Type)
	Seiko Type	. Seiko 1.5 Lier Ink Bag (Pouch Type)
	EPSON Type	. 1,000ml Ink Bag with Epson Nozzle (Pouch Type)

DESIGN - DEVELOPMENT - MANUFACTURE

info@ChipandCartridge.com

Wide Format Printing Solutions

Compatible Empty Ink Cartridge

220ml, 440ml, 680ml, 750ml, 1,000ml

for Mimaki, Mutoh, Roland, HP

MHD Wide Format Printing Solutions

Wide Format Printing Solutions

Chip Programmer for a New Blank Chip.

Chip Resetter for Used Chip

www.ChipandCartridge.com

MHD Wide Format Printing Solutions

Wide Format Printing Solutions

Ink Bag

220ml, 440ml, 600ml, 1,000ml, 2,000ml

for Mimaki, Mutoh, Roland, HP, EPSON

MHD Wide Format Printing Solutions

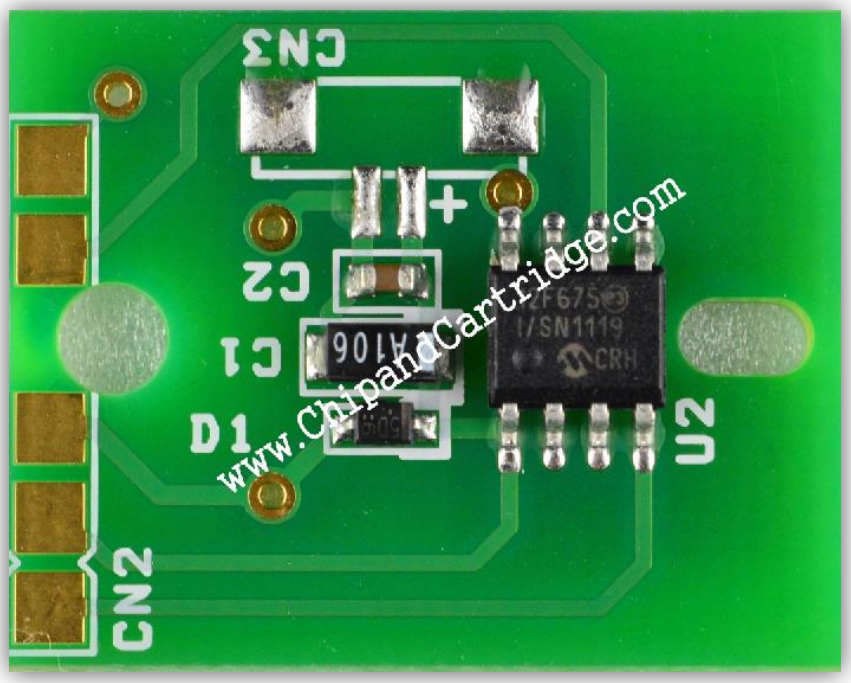
Wide Format Printing Solutions

Compatible Chip

Permanent Chip & One Time Use Chip

220ml, 440ml, 600ml, 1,000ml, 2,000ml

for Mimaki, Mutoh, Roland, HP



MHD Wide Format Printing Solutions

Chip Ink Version for Mimaki

Ink Version	Color	Volume
SS1	C	220ml
	M	220ml
	Y	220ml
	K	220ml
	LC	220ml
	LM	220ml
SS2	C	220ml
	M	220ml
	Y	220ml
	K	220ml
	LC	220ml
	LM	220ml
	W	220ml
	C	440ml
	M	440ml
	Y	440ml
	K	440ml
	LC	440ml
	LM	440ml
Pigment Ink (Aqueous)	C	220ml
	M	220ml
	Y	220ml
	K	220ml
	LC	220ml
	LM	220ml
ES3	C	440ml
	M	440ml
	Y	440ml
	K	440ml
	LC	440ml
	LM	440ml
	Silver	440ml
	White	440ml
	C	2,000ml
	M	2,000ml
	Y	2,000ml
	K	2,000ml
	LC	2,000ml
	LM	2,000ml
	Silver	2,000ml
	White	2,000ml
HS	C	440ml
	M	440ml
	Y	440ml
	K	440ml
	LC	440ml
	LM	440ml
	C	2,000ml
	M	2,000ml
	Y	2,000ml
	K	2,000ml
	LC	2,000ml
	LM	2,000ml

SB1	BL	440ml
	M	440ml
	Y	440ml
	K	440ml
	LBL	440ml
	LM	440ml
SB52	BL	440ml
	M	440ml
	Y	440ml
	Deep Black	440ml
	LBL	440ml
	LM	440ml
	BL	2,000ml
	M	2,000ml
	Y	2,000ml
	Deep Black	2,000ml
	LBL	2,000ml
	LM	2,000ml
SB53	BL	440ml
	M	440ml
	Y	440ml
	K	440ml
	Deep Black	440ml
	LBL	440ml
	LM	440ml
	BL	2,000ml
	M	2,000ml
	Y	2,000ml
	K	2,000ml
	Deep Black	2,000ml
	LBL	2,000ml
	LM	2,000ml
SS21	C	440ml
	M	440ml
	Y	440ml
	K	440ml
	LC	440ml
	LM	440ml
	Orange	440ml
	White	220ml
	C	2,000ml
	M	2,000ml
	Y	2,000ml
	K	2,000ml
	LC	2,000ml
	LM	2,000ml
	Orange	2,000ml
	White	2,000ml
BS3	C	600ml
	M	600ml
	Y	600ml
	K	600ml
	C	2,000ml
	M	2,000ml
	Y	2,000ml
	K	2,000ml

UV CURABLE Ink	C	440ml
	M	440ml
	Y	440ml
	K	440ml
	LC	440ml
	LM	440ml
	White	440ml
	Clear	440ml
LH-100	C	220ml
	M	220ml
	Y	220ml
	K	220ml
	W	220ml
	CL	220ml
	C	600ml
	M	600ml
	Y	600ml
	K	600ml
	W	600ml
	CL	600ml
LF-200	C	600ml
	M	600ml
	Y	600ml
	K	600ml
	W	600ml
Reactive Dye	C	220ml
	M	220ml
	Y	220ml
	K	220ml
	LC	220ml
	LM	220ml
	BL	220ml
	OR	220ml
	RED	220ml
	GRAY	220ml
LF-140	C	600ml
	M	600ml
	Y	600ml
	K	600ml
	LC	600ml
	LM	600ml
	White	600ml
F-200	C	440ml
	M	440ml
	Y	440ml
	K	440ml
	White	440ml
UV Primer GM-1		500ml
TP3	C	210ml
	M	210ml
	Y	210ml
	K	210ml

Chip Ink Version for Roland

Ink Version	Color	Volume
Eco Sol Max 1	C	440ml / 220ml
	M	440ml / 220ml
	Y	440ml / 220ml
	K	440ml / 220ml
	LC	440ml / 220ml
	LM	440ml / 220ml
	White	440ml / 220ml
	Metallic Silver	440ml / 220ml
Eco Sol Max 2	C	440ml / 220ml
	M	440ml / 220ml
	Y	440ml / 220ml
	K	440ml / 220ml
	LC	440ml / 220ml
	LM	440ml / 220ml
	White	440ml / 220ml
	Metallic Silver	440ml / 220ml
	Light Black	440ml / 220ml
Eco Sol Max 3	C	500ml
	M	500ml
	Y	500ml
	K	500ml
	LC	500ml
	LM	500ml
Eco-UV Ink	C	220ml / 440ml
	M	220ml / 440ml
	Y	220ml / 440ml
	K	220ml / 440ml
	White	220ml / 440ml
	Gloss	220ml / 440ml
FPG	C	440ml / 220ml
	M	440ml / 220ml
	Y	440ml / 220ml
	K	440ml / 220ml
	LC	440ml / 220ml
	LM	440ml / 220ml
	OR	440ml / 220ml
	GR	440ml / 220ml
AJ-1000	C	1,000ml
	M	1,000ml
	Y	1,000ml
	K	1,000ml
	LC	1,000ml
	LM	1,000ml

Chip Ink Version for HP

Ink Version	Color	Volume
HP 1000 HP 1050	Cyan	350 ml
	Magenta	350 ml
	Yellow	350 ml
	Black	350 ml
HP 5000 HP 5500 (DYE / UV)	Cyan	680 ml
	Magenta	680 ml
	Yellow	680 ml
	Black	680 ml
	Light Cyan	680 ml
	Light Magenta	680 ml
HP 9000 HP10000	Cyan	1,000ml
	Magenta	1,000ml
	Yellow	1,000ml
	Black	1,000ml
	Light Cyan	1,000ml
	Light Magenta	1,000ml
HP Z6100	Cyan	775 ml
	Magenta	775 ml
	Yellow	775 ml
	Light Cyan	775 ml
	Light Magenta	775 ml
	Photo Black	775 ml
	Matte Black	775 ml
	Light Gray	775 ml

Max. 2 Liter MBIS Type Bulk Ink System For Mimaki, Roland, Mutoh

Incomparably Saving Printing Cost by Using to the Bottom

Reliable and Stable Operation from Starting to Ending

Automatically Switching to Another Ink Cartridge on Empty

Easy Installation and Easy Replacement of Ink Bag

Available Various Kinds of Ink Bags

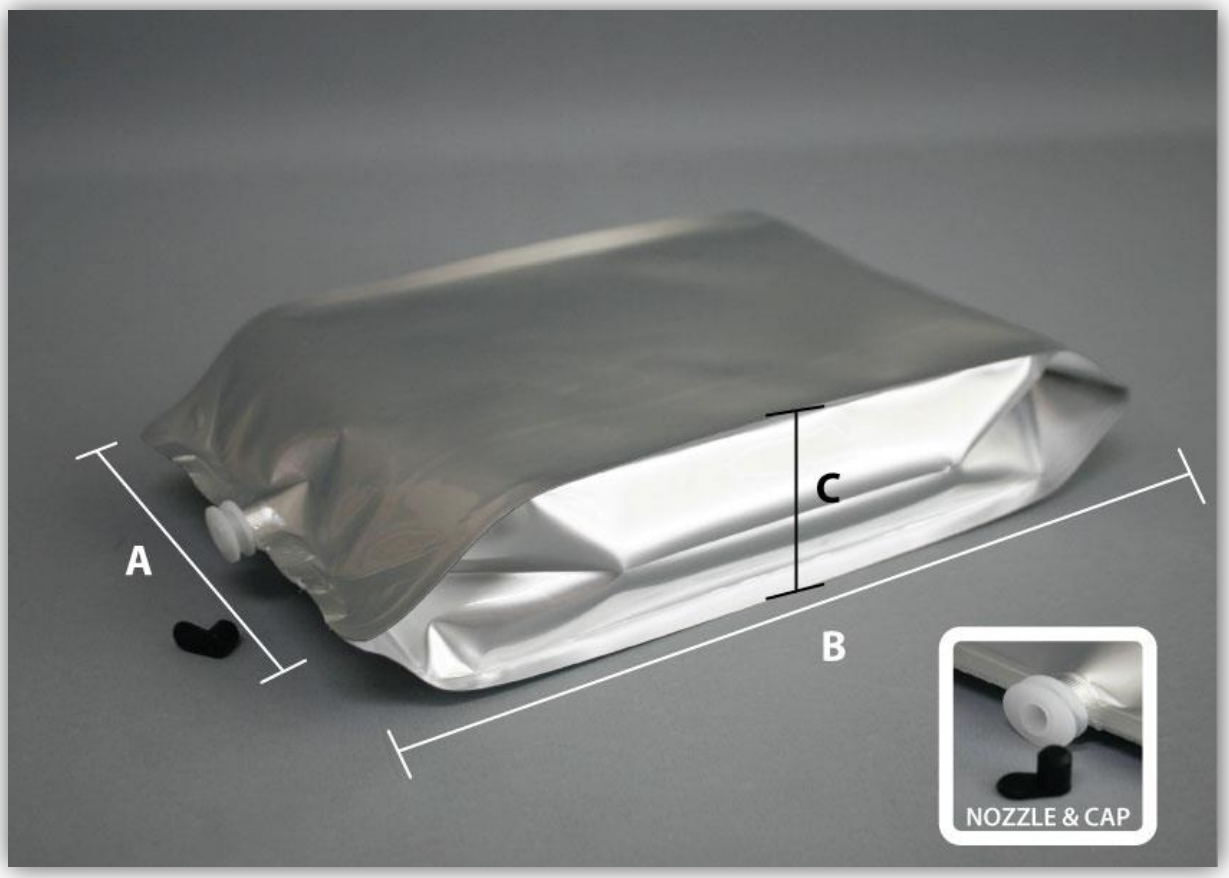
Permanent Chip and One Time Chips Available

MHD Wide Format Printing Solutions

Max. 2 Liter Bulk Ink System For Mimaki, Roland, Mutoh

Model	Continuous Ink Cartridge	Available Color	Pack Bulk Ink Container
4C X 4CT	4 Cartridge	4 Colors	4 Container
8C X 4CT	8 Cartridge	4 Colors * Double	4 Container
6C X 6CT	6 Cartridge	6 Colors	6 Container
8C X 8CT	8 Cartridge	8 Colors or 4 Colors * Double	8 Container

2 Liter Pouch Type 4 Layer Ink Bag
Compatible with Mimaki MBIS System



Dimension (mm)	A (Width)	150 mm
	B (Length)	300 mm
	C (Height)	80 mm
Layer Structure & Specification (㎛)	PET (Outer)	25 ㎛
	Adhesive	
	Aluminum	9 ㎛
	Adhesive	
	Nylon	15 ㎛
	Adhesive	
	Octane LLDPE (Inner)	135 ㎛
	Total Thickness (㎛)	184 ㎛
Sealing Width	5 mm	
Nozzle Material	PE	
Rubber Material	Silicon	

Max. 2 Liter Bulk Ink System
For Mimaki, Roland, Mutoh

8C X 4CT_(CJV150-75)

Max. 2 Liter Bulk Ink System For Mimaki, Roland, Mutoh

8C X 4CT_(JV300-160S)

Max. 2 Liter Bulk Ink System For Mimaki, Roland, Mutoh

8C X 8CT_(JV300-190)

Max. 2 Liter Bulk Ink System For Mimaki, Roland, Mutoh

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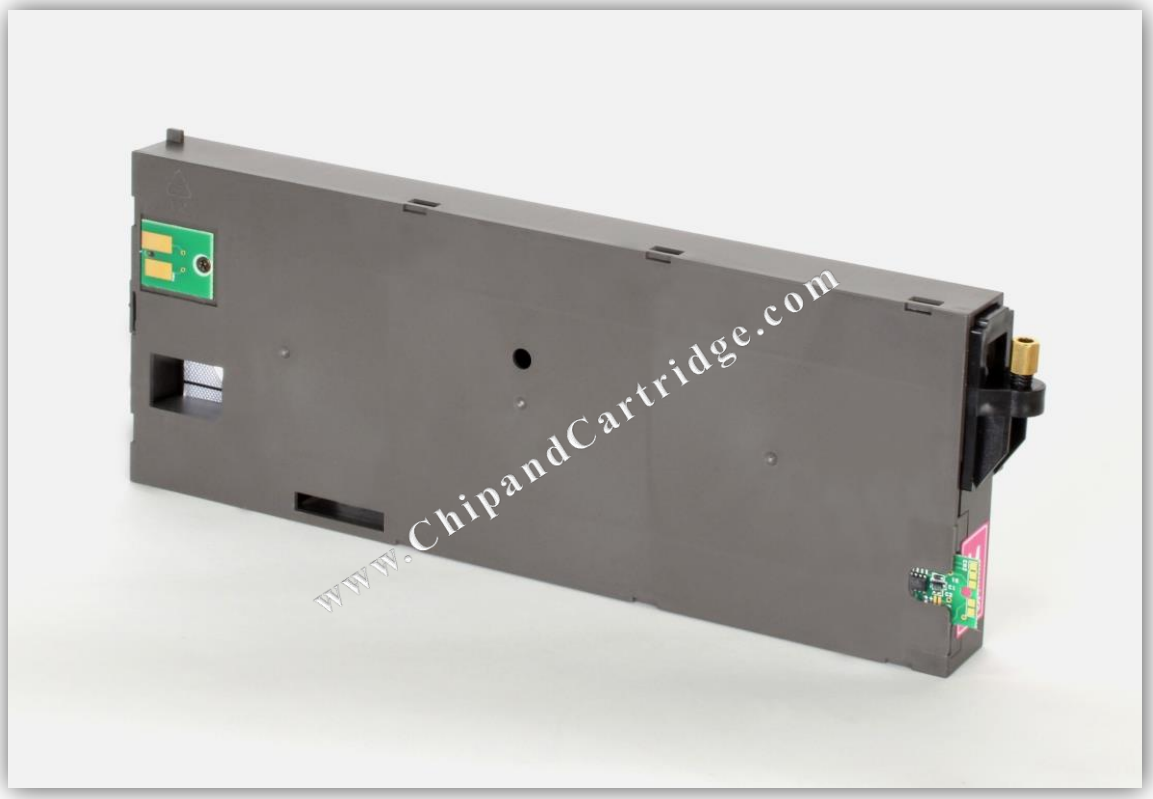
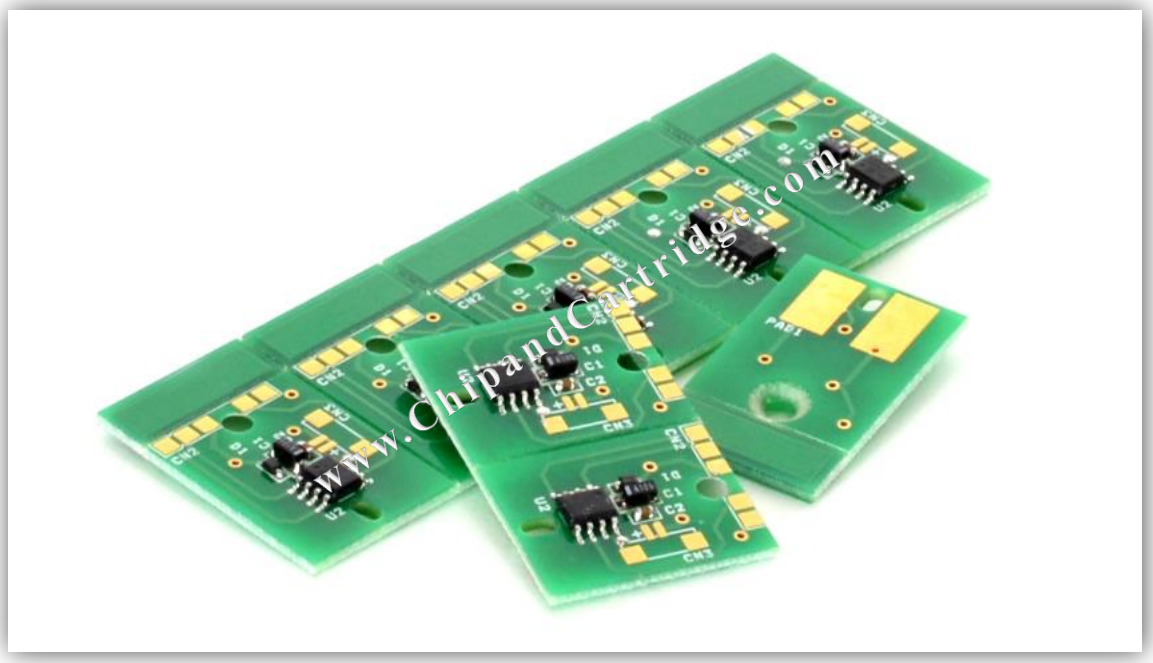
Max. 2 Liter Bulk Ink System For Mimaki, Roland, Mutoh





Wide Format Printing Products

Ink Filling Machine
(Peristaltic Pumps & Load Cell Control)

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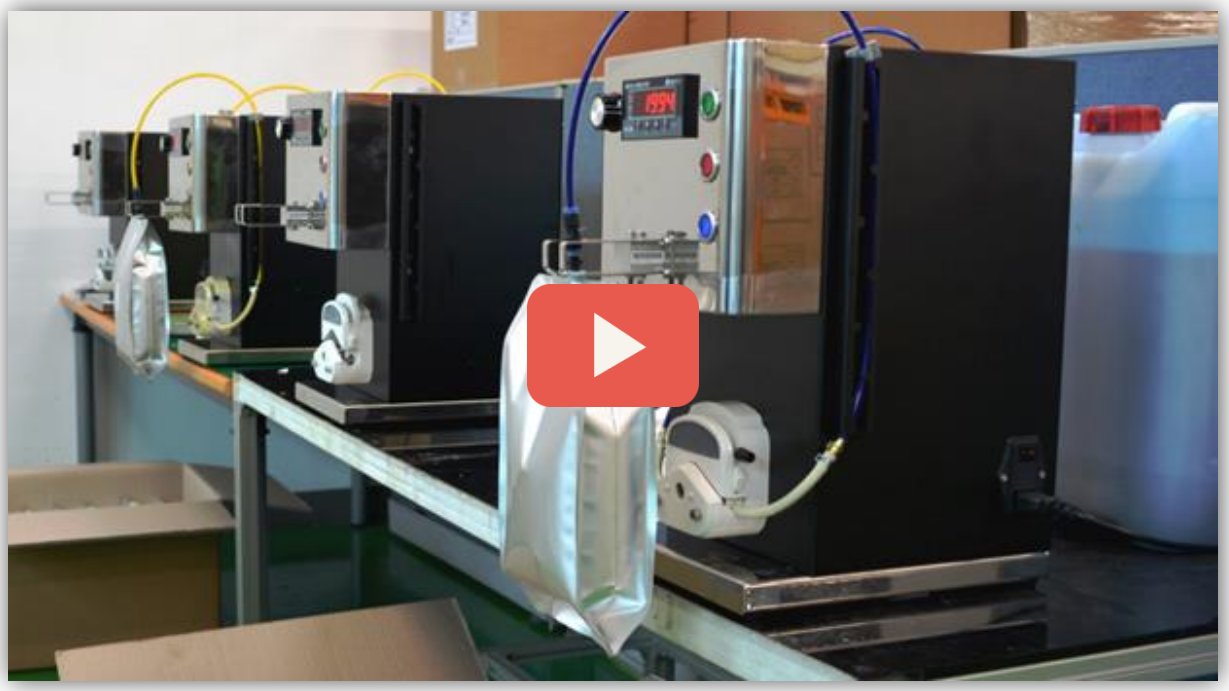
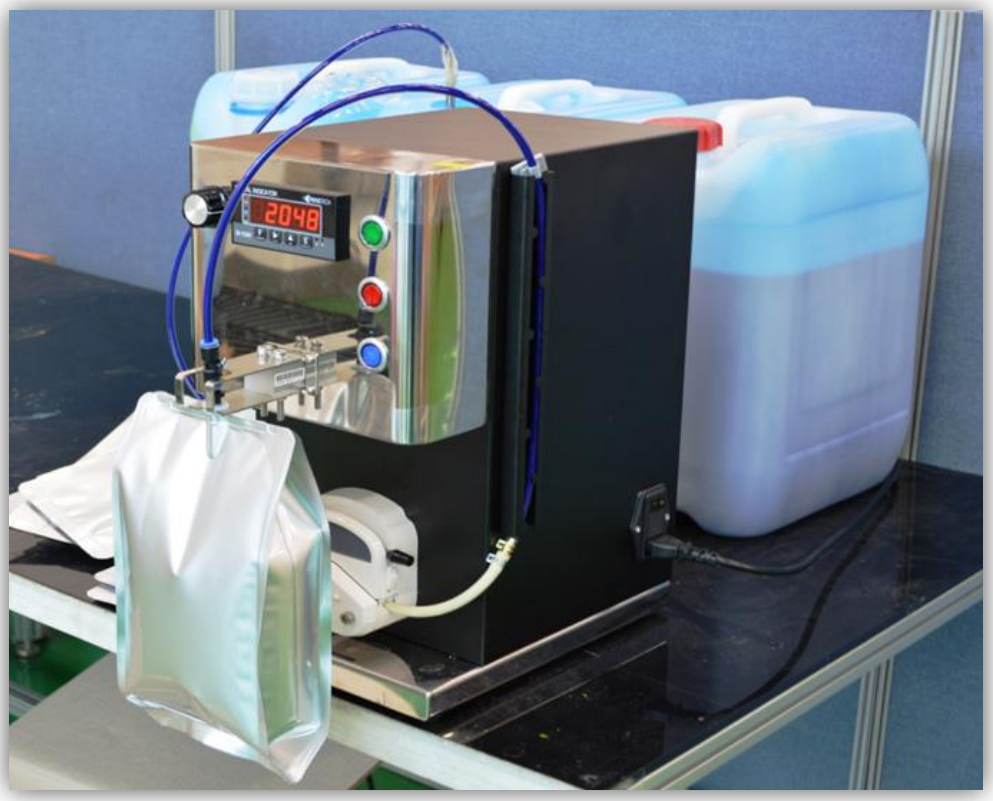
MHD Wide Format Printing Solutions

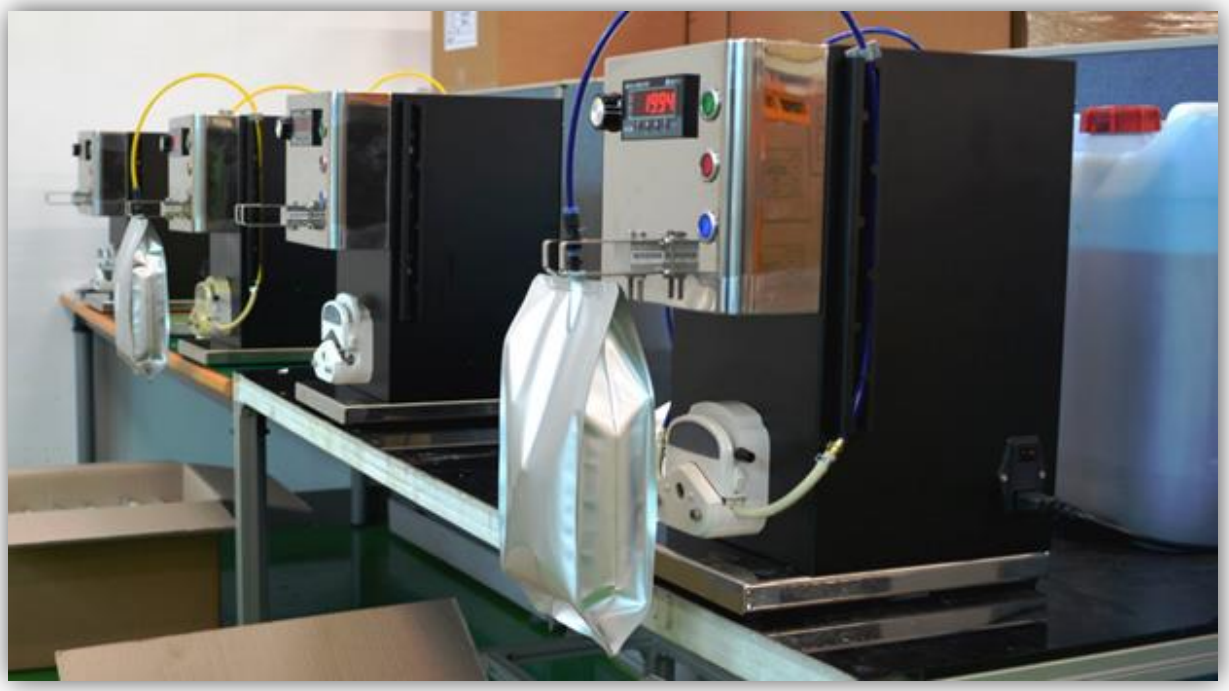
Filling for Max. ~ 2,500ml Ink Bag
(220ml, 440ml, 600ml, 1,000ml, 1,500ml, 2,000ml, 2500ml)



Mimaki , Mutoh, Roland, Epson

Filling for Max. ~ 2,500ml Ink Bag
(220ml, 440ml, 600ml, 1,000ml, 1,500ml, 2,000ml, 2500ml)



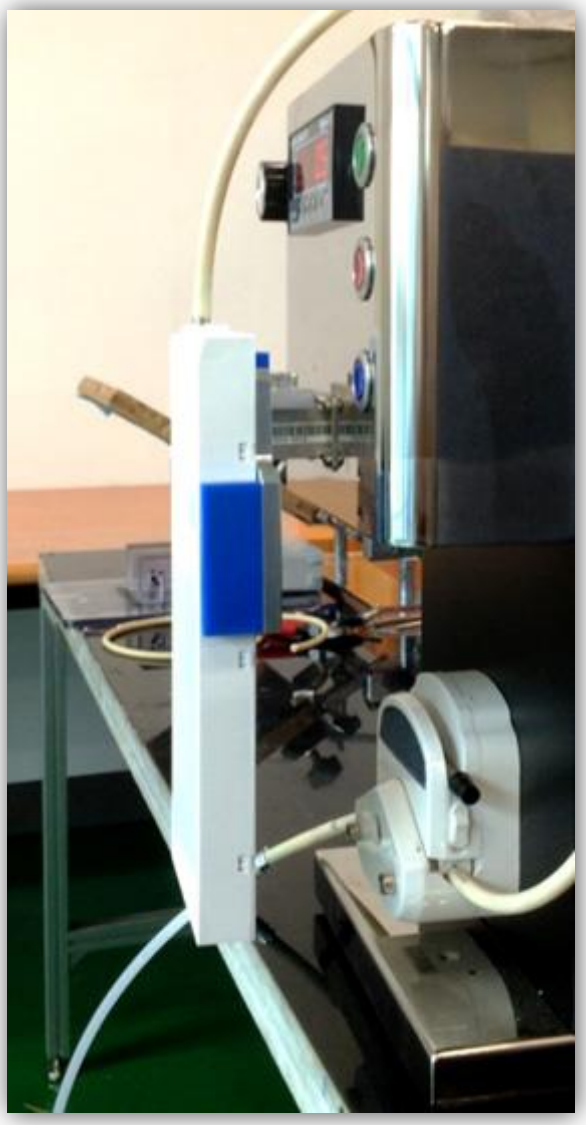


Mimaki , Mutoh, Roland, Epson

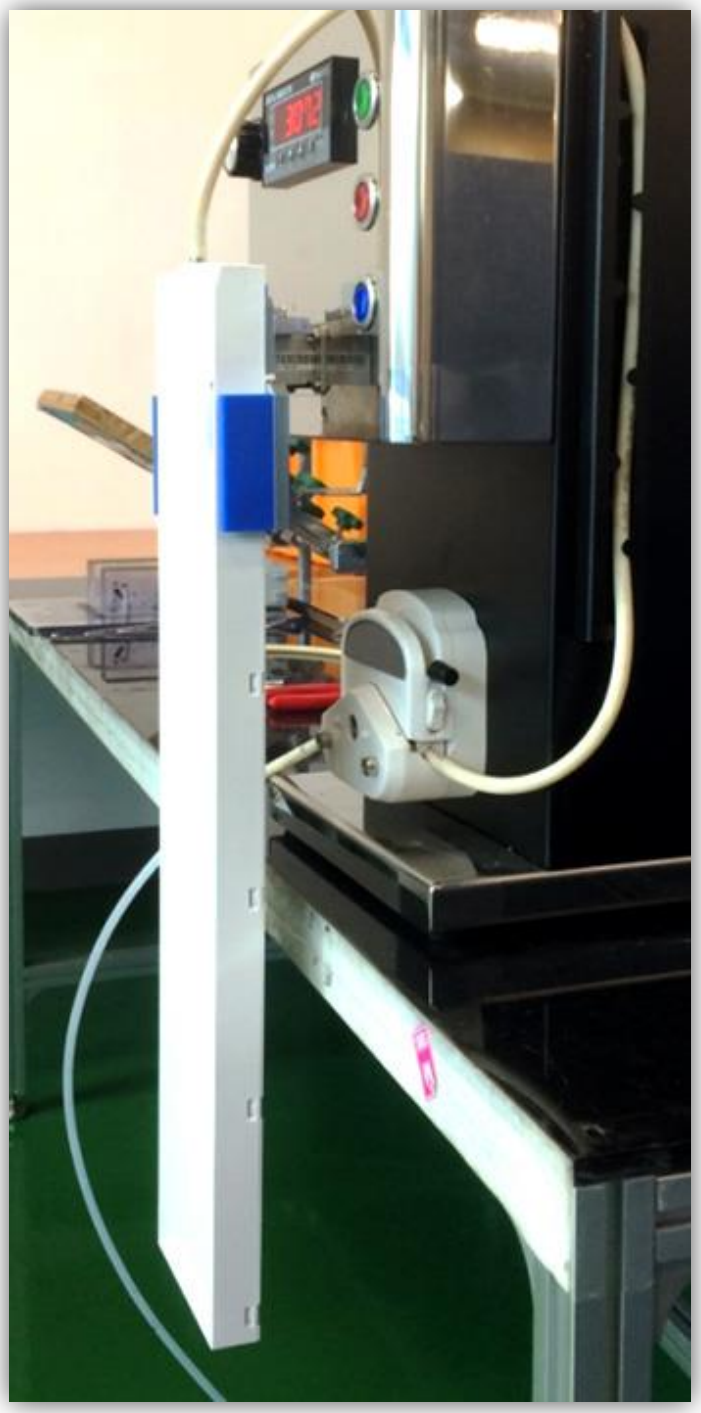
Filling for Max. ~ 2,500ml Empty Ink Cartride

(220ml, 440ml, 600ml, 1,000ml, 1,500ml, 2,000ml, 2500ml)

(Option)



220ml Cartridge



440ml Cartridge

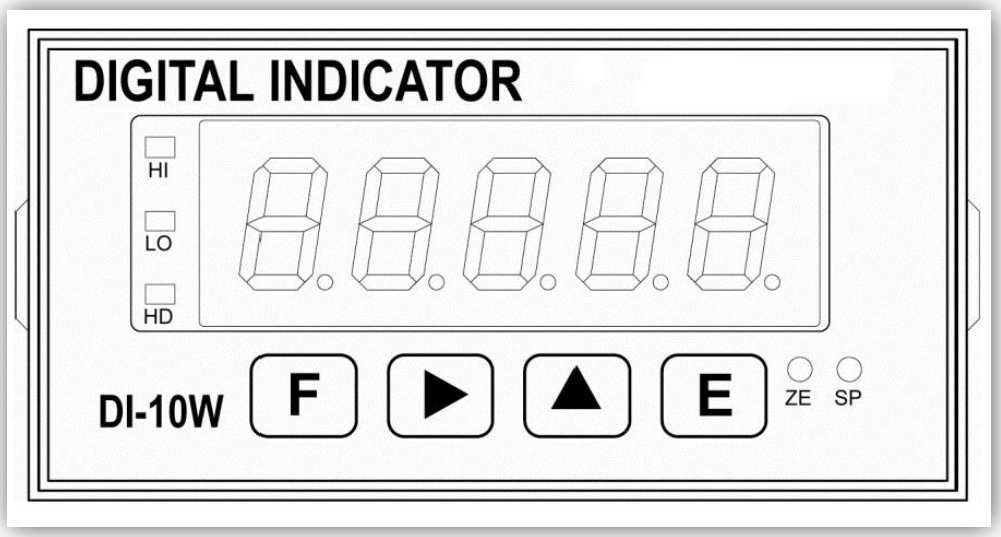
Mimaki , Mutoh, Roland, Epson

Function & Operation

1. Filling Button
2. Stop Button
3. Degasing Button
4. Speed Control
5. Load Cell
6. Pump Head
7. Control Pannel

1.	Filling Button	Push this Button to start filling ink. Machine will stop when the weight reaches setting ink volume.
2.	Stop Button	Push this button to stop filling ink.
3.	Degasing Button	When this button is pushed, machine start to suck a gas or ink from the ink bag. You can use this button to remove a gas or bubble out of the Ink bag.
4.	Speed Control	User can change the speed of filling ink by this dial.
5.	Load Cell	Ink bag holder will be assembled here. This is used to hang ink bag and control ink volume when user fill the ink.
6.	Pumps Head	Ink transfer line is installed here.
7.	Control Box	User control ink volume by this control panel.

Configuration



1. *To Set Zero*

   Press F *button more than a second.*
   Please do this process after hanging ink bag or cartridge to fill ink.

2. *To Set Ink Volume for filling*

   Press ▶ *button.*
   Ink Volume for filling can be set to five digits. However, Max. Ink Volume for filling is up to 2,500 ml, the number of digits used for the setting is up to four digits.
   The number of digits to be set can be selected by pressing this button.
   Press button ▲ *to raise the number from 0 to 9.*
   When setting is done, press E *for save and exit this menu.*

** W hen the machine is shipped, the unit of measurement is set in grams.*
** If you want to change the unit of measurement, please refer Appendix (Indicator Manual, especially section 4 and 8) for detailed usage.*
Indicator is the most important part of measurement.

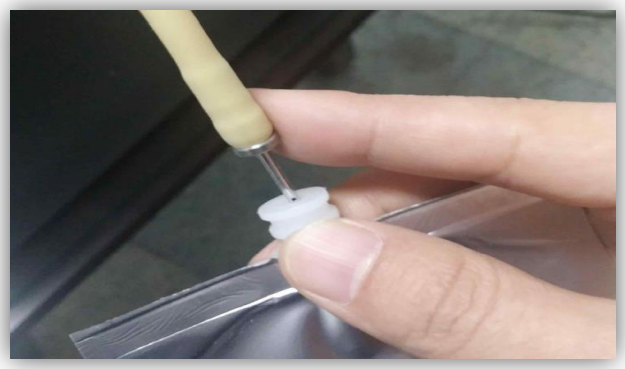
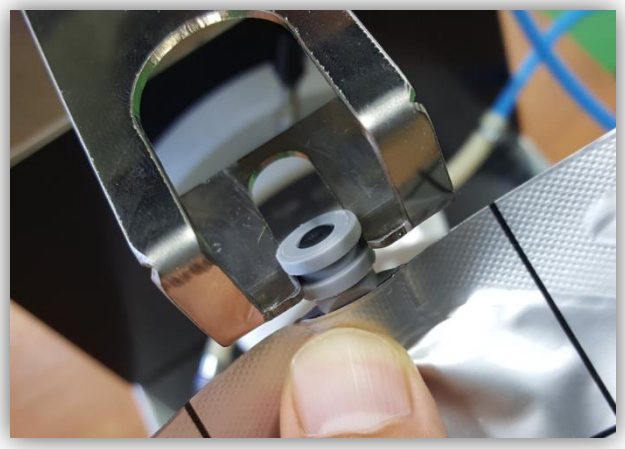
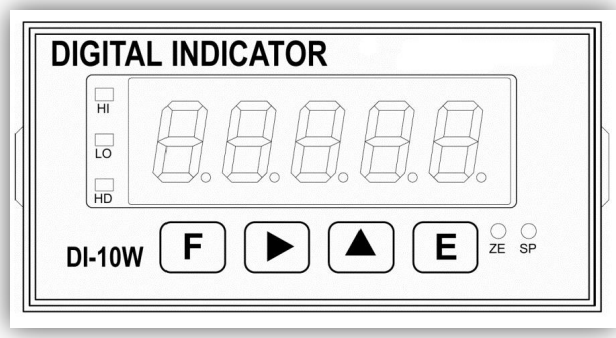
Installation of Parts

Ink Bag Holder must be installed onto the load cell with enclosed bolts.

Move the lever of the Pump Head toward the left, and install a Ink Transfer Line.

Please make sure that the end of the Teflon tube is located the very next of right edge of the Pump Head, so that the length of a filling tube is enough for working. (Please refer the left photo.)

Filling Process

	*Put a needle into the nozzle.*
	*Hang the ink bag into the ink bag holder.* *Please be careful which area you fit the nozzle into the holder.*
	*Set up the digit to zero.* *Please do this step after holding a ink bag so that the machine can fill an exact ink volume.*
	Push Green Button to start filling ink. *When the filling is done, Push Blue Button in order to remove air, bubble or over-filled ink.*

Specification

Machine Dimension	Width (41 Cm)
	Depth (25 Cm)
	Height (43 Cm)
Packing Dimension	30Cm * 46Cm * 45Cm (H)
Net Weight	13 KG
Gross Weight	15 KG
Filling Time	220ml (30 Sec.)
	440ml (60 Sec.)
	1,000ml (100 Sec.)
	2,000ml (170 Sec.)
Available Ink	Waer-Based Ink Solvent Ink UV Ink
Max. Ink Volume for Filling	2,500ml

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Wide Format Printing Products

Ink Filling Machine
(Vacuum Chamber Type without Bubble)

MHD-VSI2000

MHD Wide Format Printing Solutions

Specification

Model Name	MHD-VSI2000
Chamber	Vacuum Chamber Type for filling without bubble, Aluminum (Anodizing Surface Treatment)
Ink Supply Bottle	Stainless Steel, 1.5 Liter Capacity, Pressure Type, Floating Sensor
Dispensing Valve	Stainless Steel, FluoroPolymer Resin Sealing
Frame & Body	Aluminum (Anodizing Surface Treatment, Aluminum), Steel
Vacuum Pump	2,000 liter/Min, 0.5 mbar, 3.0 Kw, 1,740 r.p.m, 70dB, 74Kg, Oil (2.0 liter), 380V/50Hz
Pack Sealing Unit	Air Cylinder Type
Pack Guide	Air Cylinder Type
Pack Press	Air Cylinder Type
System Control	Touch Screen Control based on PLC
Cycle Time	. Vacuum Mode (1,000 ml) : 90Sec (2 Ink Pack, each 45Sec) . Non Vacuum Mode (1,000 ml) : Max. 30Sec, Nom.45Sec
Available Ink Bag	220ml, 440ml, 600ml, 1,000ml, Special ….
Warranty	. Mechanical : 2 Years . Vacuum Pump : 1 Year . Service Part Supply for Maintenance : Min. 7 Years
Power Source	230V/50Hz, 220V/60Hz, 380V/50Hz, 380V/60Hz

Bulk Ink System
EPSON 9900/7900/9700/7700/11880

The first CISS for 9900/7900/9700/7700/11880 in the World.
The Real Version CISS different with Refillable Cartride.
The Reliable and Convenient System based on Touch Button.
Powerful Cost Saving and Easy Control System
Needless to take out the Cartridge for Resetting, Just Touch Botton.

www.ChipandCartridge.com

Epson 9900 (11 Colors)	Photo BK, C, VM, Y, LC, VLM, LK, Matte BK, LLK, O, G
Epson 7900 (11 Colors)	Photo BK, C, VM, Y, LC, VLM, LK, Matte BK, LLK, O, G
Epson 9700 (5 Colors)	Photo BK, C, VM, Y, Matte BK
Epson 7700 (5 Colors)	Photo BK, C, VM, Y, Matte BK
Epson 11880 (9 Colors)	Photo BK, C, VM, Y, LC, VLM, LK, Matte BK, LLK