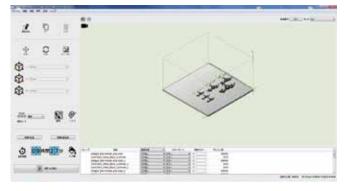


## Software (Bundled)

■ Layout software [Mimaki 3D Link]



Creating a nesting layout of the job and transmit the job data to the printer.

- 1. Data loading
- Available formats: STL, OBJ, VRML, PLY, 3MF
- 2. Rotate, Zoom-in/out, move, assign colors and multiply objects. Check you working table layout
- 3. Select modeling mode and assign a modeling job to [Mimaki Printer Driver] of the print control software integrated in the printer
- \*1 Modeling order with clear ink is available
  \*2 Accurate estimation function for modeling time and consumption
  \*3 Max. 20 printer units can be connected

Item		3DUJ-553		
Modeling method		UV curable inkjet		
Availab	le color number	Full color / More than 10	million different colors	
Print he	ead	On-demand piezoelectric	print head 8 heads inline	
	Time	Modeling ink MH-100 (CMYK, White, Clear)		
Ink	Туре	Support material ink SW-100		
	Tank volume	CMYK: 3L		
	iank volume	White, Clear, Support material: 5L		
	Ourse by a trade	CMYK: 1L bottle		
	Supply style	White, Clear, Support material: 4.8L bottle		
Available modeling area (W×D×H)		508×508×305mm (20x20x12inch)		
Minimum layer pitch		22 µm		
Modeling time		High speed mode:	14.4 hours 600x300x600dpi (42µm)	
(Modeling 100×100×100mm W×D×H object.)		Standard mode:	17.0 hours 600x300x800dpi (32µm)	
		High definition mode:	25.7 hours 600x300x1270dpi (22µm	
3D data format		STL, OBJ, VRML, PLY, 3MF		
Software (Standard accessories)		Layout software [Mimaki 3D Link]		
Interface		Ethernet 1000BASE-TX		
Power		Single phase AC 100-120V/220-240V±10%		
		50/60Hz±1Hz		
		VCCI Class A/FCC Class A/ Compliant with UL60950, ETL /		
Safety	standard	CE Marking (EMC, Low Voltage Directive) /		
•		CB Report/ RoHS/REACH		
Outside (	dimensions (W×D×H)	2,250×1,500×1,550mm (88.6x59.1x61.0 inch)		
Weight		600 kg (1,322.8 lb) (mounted ink weight incl.)		
Specific	nations designs ar	nd dimensions stated in this	s list may be subject to change without	

\*Specifications, designs and dimensions stated in this list may be subject to change without notice due to technical improvement etc.

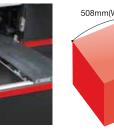
■[Mimaki Printer Driver], Print control software integrated in the printer



3D-Link print control software allows you to apply settings, to check your print records, perform nozzle check, cleaning, etc.

## Available modeling area





# Supplies

MH100-C-BA MH100-M-BA MH100-Y-BA MH100-K-BA	1L bottle
MH100-Y-BA	1L bottle
	IL bottle
MH100-K-BA	1
MILLIOU-IV-DV	
MH100-W-BD	
MH100-CL-BD	4,8L bottle
SW100-Z-BD	
	MH100-CL-BD SW100-Z-BD

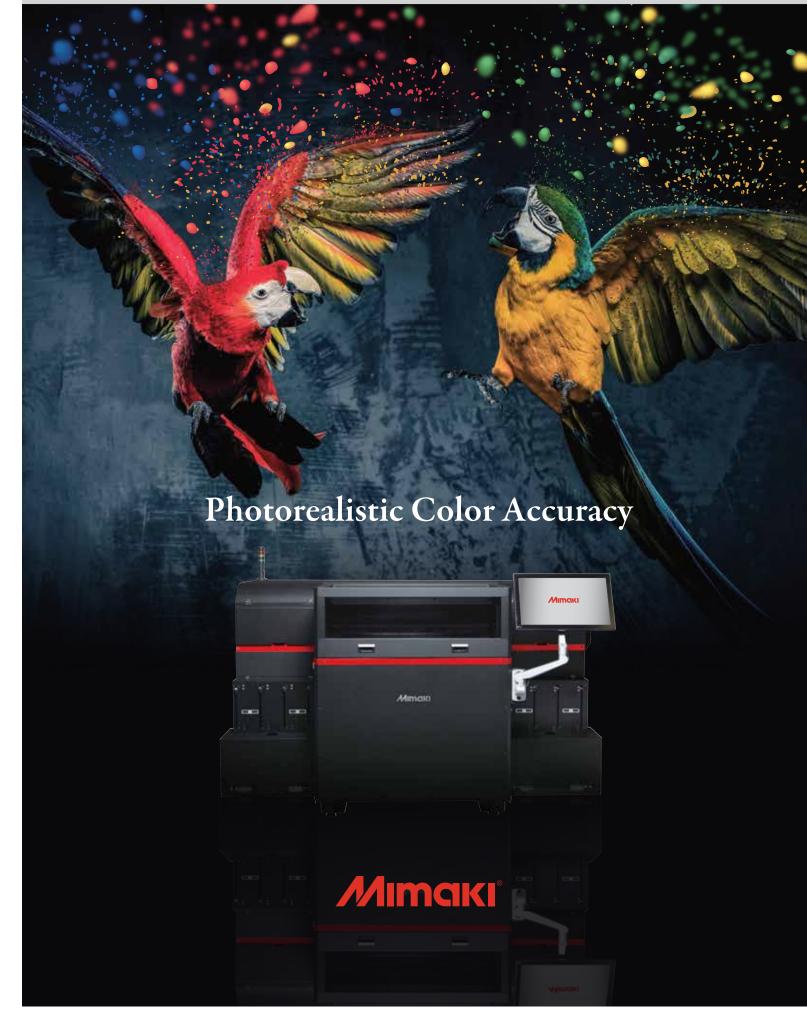
Options

Item	Item Code	Remarks
MPM+i1 Pro Set	MPM3+i1	Color management software and colorimeter



TOLL FREE - 800 SIGNTRADE | DUBAI - U.A.E. TEL : +971 4 2681828 | Fax : +971 4 2694328 | E-mail : info@signtrade.com UAE \* KSA \* QATAR \* OMAN \* BAHRAIN \* KUWAIT \* PAKISTAN \* KENYA







# Covering the color gamut of 84% of FOGRA39L and 90% of SWOP

Modeling by color ink (CMYK,White,Clear) can achieve 84% of FOGRA39L and 90% of SWOP gamut, Modeling by color ink with high transparency and light reflecting on the surface of white ink layer, a fine color of object with essential beauty of real ink color is

# Broadening designs with clear ink

In addition to the transparency by clear ink, the combination of clear ink and color ink can express the colored transparency. Clear ink can give a different look when lighted from the inside of object. The combination of clear and color ink will broaden designs.





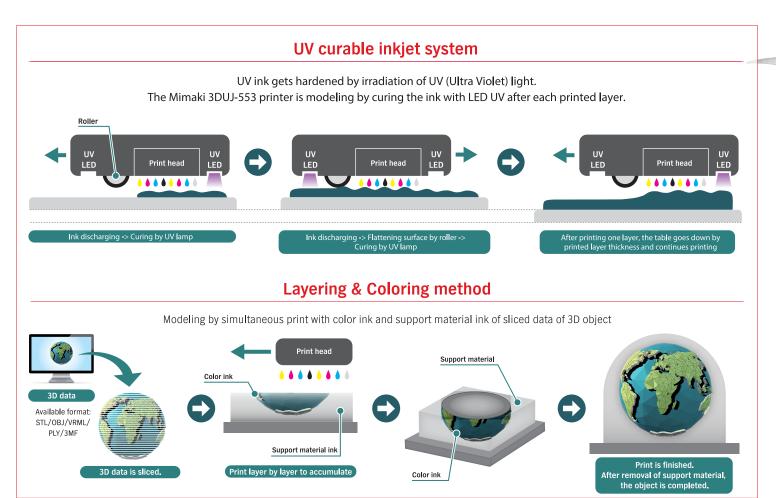
# The world's first!

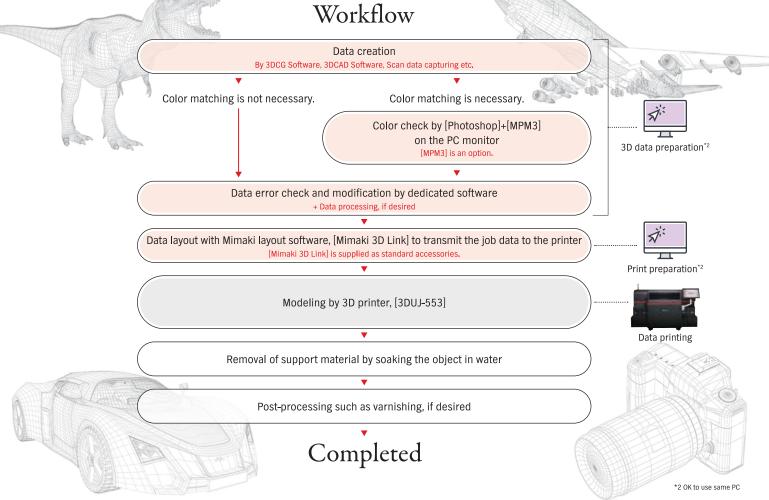
# Enhancing color reproduction with color profile

Color profile utilization is the world's first method \*1 among the inkjet system 3D printers. Implementing the color simulate profile created by MPM3(Option: Color management software) to Adobe Photoshop, the color to be printed is checked on the PC monitor. It is possible to get closer between the color of image on the PC and the object to shorten color adjustment time.



\*1 Survey as of August 2017 by Mimaki Engineering





## CHARACTERISTICS

# Modeling quality with high definition

High definition print technology Mimaki 3D printer's precise ink droplet placement as aimed is by our original wave form control and high precision ink discharging technology, amassed in the development of inkjet printer for professionals with their strict requirements of high quality image. This excellent droplet precision can deliver modeling with elaborate

Variable dot function Variable dot function contains to discharge 3 types dot size and selects always the optimal size. This specified function enables to print a beautiful gradation of less granularity in extremely high accurate full





# Four advantages of modeling

handle 5kg weight



Acrylic resin is compounded in the ink resulting in a simular strength as ABS.



# Overcoating is pos-

sible. It creates a surface that is smoother while upgrading the damage will occur. weather resistance.

While a model gets

wet with water, no

discoloring, neither



# Network connection

Easy to increase and connect new printers

### Simple management of systems by Ethernet Simply connect the

layout PC and main unit with Ethernet switch. Max. 20 units of 3D printers can be connected to 1 layout PC. Upgrading the latest software version thru internet is supported.



## CHARACTERISTICS



### Water soluble support material Beautiful finish with very simple operation

Water soluble support material is applied Support material can be washed away by placing in water instead of scratching off. Even an intricate design, support material can be taken-off easily without damage.

### UV LED is applied as curing light source.

[3DUJ-553] applies UV ink curing by irradiation o UV (Ultra Violet). The UV LED of curing source exerts less heat effects to object and no loss time of starting light. It saves running cost with long life and power saving.









the loss of print error.

# Stable production by two functions.

### Equipment of ink circulation head for reducing nozzle misstingthe world's

first 3D inkjet printer\*3equipt with print head ink circulation. The printheads allow the ink to circulate preventing sedimentation of the pigments to assure stabile ink jetting. It also eliminates air bubbles causing misfiring while maintaining optimal shaped ink drops.

### [NCU (Nozzle Check Unit)] for self-recovery of automatic detection of nozzle missing

world's first 3D inkjet printer \*equipt with an NCU (Nozzle Check Unit) for auto detection of the nozzle status by infrared radiation sensor. When a missing nozzle is detected, auto cleaning starts to solve it. Detection frequency can be set per data or by time. The NCU prevents loss of waste and print time after detection of a missing nozzle.

