Mastermind

MMP-F330
Food Printer Proposal

www.mastermind.co.jp

Mastermind Co.,Ltd.

An introduction to Mastermind's FOOD printer

This inkjet printer uses edible ink.

A high-performance printer capable of vibrant, full-color printing with edible inks—choose from natural or synthetic types. Ideal for creating value-added products at a low running cost.

Easy printing with simple operation. Anyone can operate it with ease.

Simply load your image data and start printing right away with the included layout software. You can also design text and basic shapes with ease.

Simple maintenance and comprehensive support.

Routine maintenance is important, but rest assured—our staff will provide clear, hands-on instructions at the time of delivery. In the event of any trouble, our dedicated support line is available to assist you.

The Mechanism Behind Inkjet Printing

Electronically controlled inkjet technology ensures accurate and consistent printing.

Since the ink is jetted onto the product, printing is done without contact and without heat.

Full-color printing with 7-color ink support, ideal for small-lot, high-mix production.

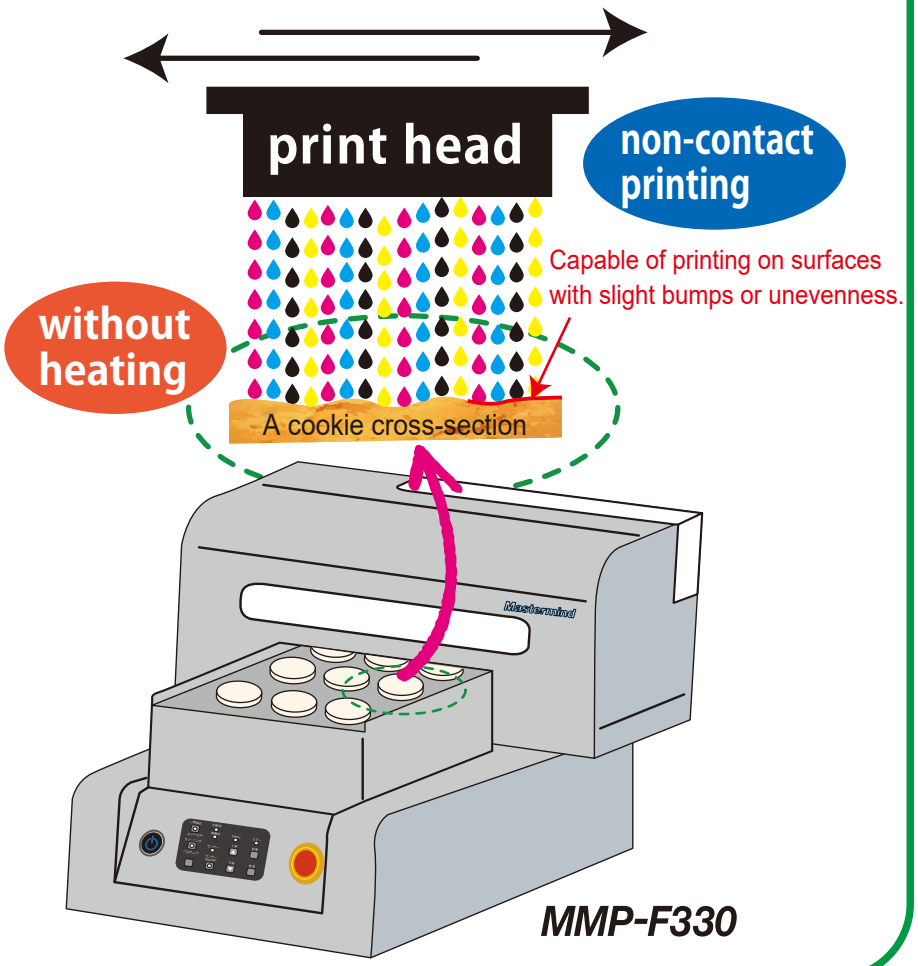
Since no plates or branding irons are required, various designs can be printed at once.

Some unevenness is OK!

It can handle uneven surfaces and curves of approximately 4 to 5 mm.

Mechanism of the print head

A system that directly discharges ink from the print head onto the product.



Mastermind

How Our Customers Use the Product

Patissere Etienne (Kanagawa Prefecture)

By utilizing the food printer, They have been able to broaden their creative expression and streamline processes that previously required manual drawing.

A delightful bear-shaped cookie printed with floral designs and beautifully decorated with icing

Mon CHERI (Gunma Prefecture)

To show their appreciation to the local community,
They printed graduation certificates on white chocolate and posted the photos on social media.
The response was amazing
They received over 150 orders in just one month.

A cake printed with a treasured family photo.

Transforming Ideas into Edible Art
3,000+ Units Sold Worldwide

With a vast sales network, we've accumulated endless ideas and insights.
Follow our Instagram to discover creative inspirations and shop highlights.

Instagram
Follow Us!!!

Direct Printing on Chocolate

Regarding Chocolate Printing, One of the Most Frequently Asked Questions

Chocolate contains a high amount of fat, which causes water-based edible ink to repel on the surface, making it difficult to achieve clean printing. Therefore, we recommend two specific methods for printing on chocolate.

①「Chocoat」Coating agent for chocolate

This method is suitable for chocolate-only gifts. A small amount of coating is applied to the surface of the chocolate using a brush or spray, then allowed to dry before printing. Since it is sensitive to moisture and humidity, it is important to ensure thorough drying both before and after printing. To protect the printed surface, we recommend packaging such as pillow wrapping to prevent exposure to air.

↑ chocoat production process

↑ Napage preparation process

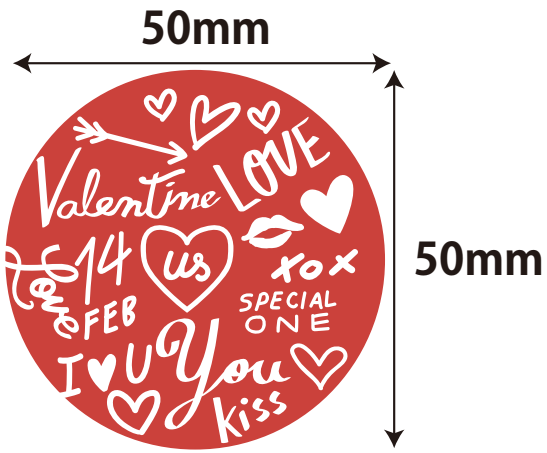
②Applications of Napage

This product is designed specifically for decoration cakes.
A non-heated mixture is kneaded well and applied to the surface of the whitechocolate before printing. After printing, the whitechocolate can be stored frozen and defrosted at your preferred timing.Please note that napage (cake glaze) can become sticky,

White chocolate printed with Chocoat base.

White chocolate printed with napage base.

Cost performance



(Actual Size)

The cost to print one piece of the image on the left (actual size) is as follows.

Ink usage: approximately 0.01ml

Cost: approximately ¥0.4

※The printing conditions are as follows.

Model name : MMP-F330

Resolution: 720dpi

Ink : Synthetic color ink (200 ml)

Price : ¥8,000 (tax excluded)

Ink density: ±0%

・All values were obtained using our proprietary software.
・Values may vary depending on the image, ink density, and usage environment.

Mastermind

Cost performance

If printed under the same conditions as the previous image, the process can be completed within the time shown below.

Printing time: *2 min 20 sec*

Printable quantity: *35 pieces*

※The printing conditions are as follows.

Resolution: 720dpi

Ink : Synthetic color ink (200 ml)

We also conducted a comparison of running costs, including ink usage.

【our ink】
Edible synthetic color ink (200ml)
¥8,000 (excluding tax)
【third-party cartridge ink】
Edible synthetic color ink (200ml)
¥14,000 (excluding tax)

Nearly Half the Price!

The Value Cycle Created by the MMP-F330

Sales Promotion & Cost Reduction
Increase in Sales and Revenue

Sales and Revenue

Cost

Enables the delivery of high value-added products with low running costs.

Customer Support

Mastermind provides support with usage instructions and equipment maintenance.
You can use our products with confidence!

Upgraded Layout Software Included

"Kan-Touch Print XX" has been upgraded with new features for the F330 and F210 models.
In addition to applying dedicated color profiles tailored to specific inks,
a new optional "4-Color Mode" has been added, enabling high-speed printing using four ink colors.

Increased Printing Speed in 4-Color Mode

※Available as an Option※

4-color × 2-row ink arrangement

Achieves roughly 50% faster print time

Ink Profile Function

Printed with natural colorant ink

Original data　　Print result

By applying a dedicated color profile,
it is possible to accurately reproduce
the original image not only with synthetic colorants,
but also with natural colorants.

Ink Safety

Because it goes into your mouth… Mastermind is committed to safety above all.

The dedicated edible inks we offer are made exclusively from food additives approved under the Food Sanitation Act of Japan. These inks are carefully refined at a certified domestic facility licensed for the manufacture of food additives. We provide both natural and synthetic edible inks for use with our food printers, as outlined below.

Synthetic color inks 7colors (200ml each)

These inks are refined using only colorants approved by the Ministry of Health, Labour and Welfare of Japan. They offer vibrant coloration and precise tone reproduction, making it possible to print even photographic images.

Natural color inks 4colors (200ml each)

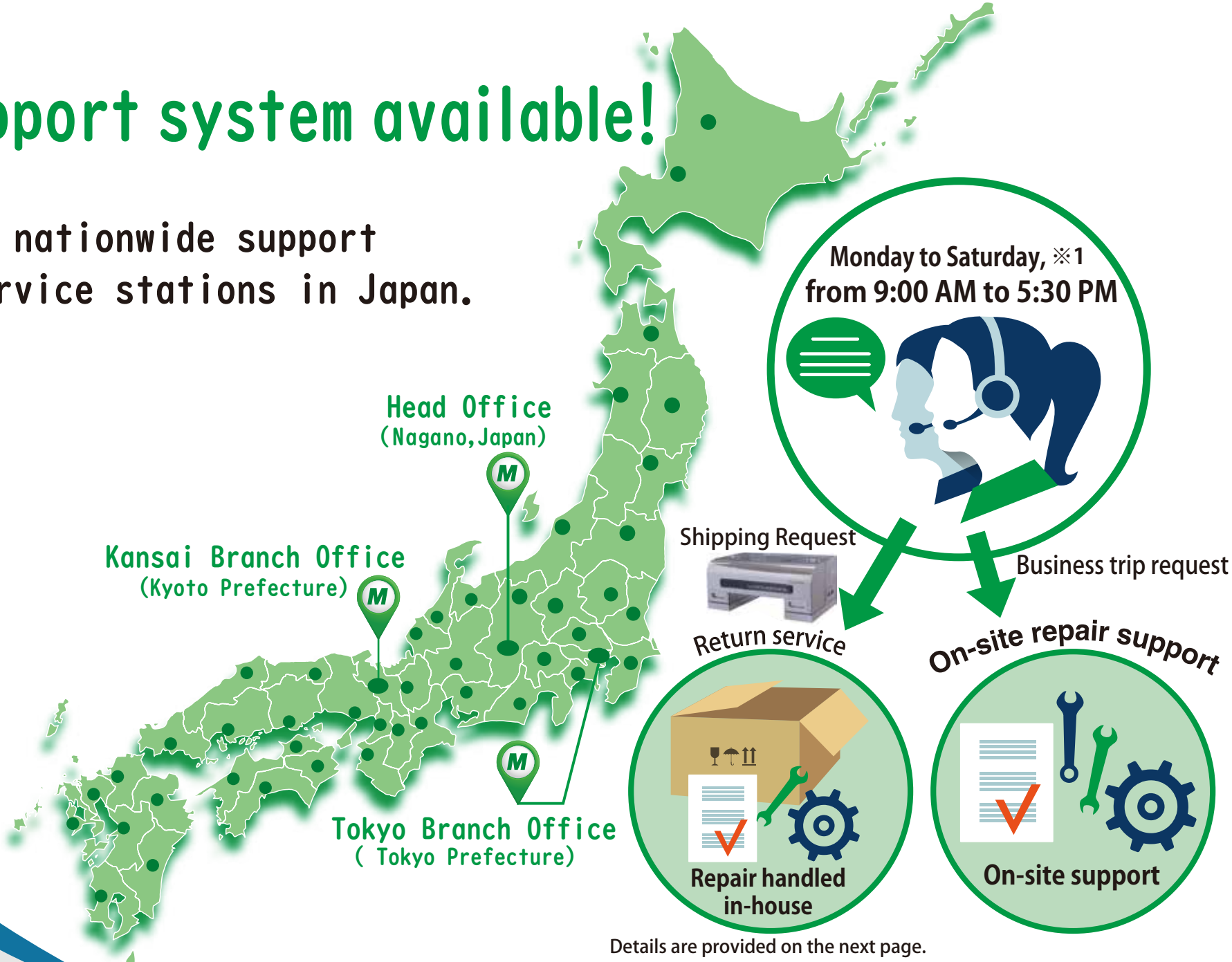
These inks are refined using naturally derived ingredients. Since they use natural colorants, they have fewer color options and less vibrant coloration compared to synthetic color inks. Additionally, due to their shorter shelf life, we are unable to keep them in stock. As a result, they are shipped directly from the factory, which may lead to longer delivery times.

Natural Ink
Sample Print Examples

Synthetic Ink
Sample Print Examples

Full support system available!

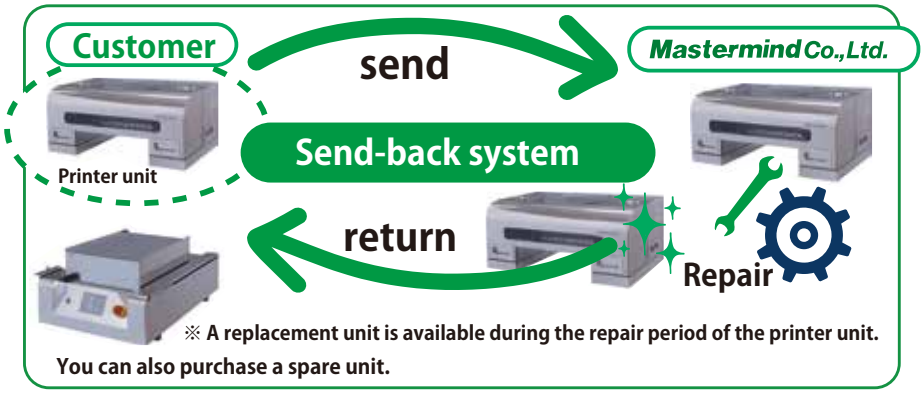
We provide nationwide support
with 48 service stations in Japan.



Details are provided on the next page.

※1 (Excluding 12:00–13:00, year-end and New Year holidays, and company-designated holidays)

The printer can be separated into the base unit and the printer unit.



Advantages of being separable

- Risk countermeasures in case of malfunction
- Change the whole printer unit to save the repair time.
- Reduced repair costs (including travel expenses)
- Easy to move and relocate within the store

Tools used:

Phillips screwdriver, hex wrench.

MMP-F330

The printer unit and the base unit can be easily separated with a simple operation.

For installation…

Please refer to the list below for the required environment and items to be prepared.

For installation, please prepare the following environment and items on your side.

Installation Environment	Installation space: A minimum of 700 × 900 mm required.	
	Power supply: AC 100V×2outlets (Details: 1 for PC, 1 for printer)	
	A location not directly exposed to sunlight or outdoor air.	
PC Environment	Recommended OS: Compatible with desktop PCs and notebook PCs running Windows 11 or later (32-bit OS not supported).	
	Recommended memory: 8GB or more.	
Equipment stand	A sturdy, flat table with dimensions of at least 500 × 850 mm. (excluding the PC installation area)	

Mastermind

※For more information, please contact our sales representative.

MP-F330 Product Specifications

Resolution	360dpi～2,880dpi(four-level resolution)
Thickness	up to 125mm
Control Panel	Touch panel system
printing speed	Approx.2min 20sec(using 720dpi,unidirectional,7-color mode)
interface	LAN connection
ink configuration	4-color or 7-color configuration:C･M･Y･K(LC･LM･LBK)
Ink types	Synthetic color ink(7colors/4colors)/Natural color ink(4colors)
Ink supply system	individual color ink bottles (Net volume:125ml)
Net weight	approximately 60kg
Printer unit dimensions	646(W)×388(D)×289(H)mm
Base dimensions	466(W)×795(D)×321(H)mm
Recommended OS	Windows11 64-bit or later (Not compatible with MacOS, Android OS, iOS, or 32-bit operating systems
Recommended memory capacity	8GB or more

And more…

What's Mastermind?

We offer a wide range of products to meet a diverse

We offer flexible proposals and customization options for our food printers to meet your specific requirements.
In addition to the equipment itself, we provide a comprehensive range of supplies, including inks, allowing us to recommend
The optimal setup tailored to your intended applications and design needs.
To support your planning and help visualize the final outcome, we are also happy to create sample prints upon request.

FOOD

Food printer

MMP-F330/F210

High-performance, user-friendly tabletop food printers.Our lineup includes the standard model MMP-F330 and the compact MMP-F210, which fits easily into smaller spaces.

- Maximum print area：329×483mm(Super A3)【F330】
  297×210mm【F210】
- Maximum media heigh：125mm【F330】 60mm【F210】

▶Supports both synthetic (7colors)・natural color inks 4colors)

MMP560Li/Li-W

A high-resolution inline food printer with a maximum speed of 40 meters per minute. It can be integrated into existing production line equipment.

- Maximum print area：56mm 【560Li】
  110mm【560Li-W】
- Maximum media heigh：60mm

▶Supports both synthetic (4colors)・natural color inks (4colors)

Cassiopeia

Achieves smooth and detailed color gradation at a high resolution of 1200 dpi, while boasting exceptional productivity comparable to ten traditional flatbed units.

- Maximum print area：105mm
- Maximum media heigh：100mm

▶Supports both synthetic (4colors) natural color inks 4colors)

DIRECT

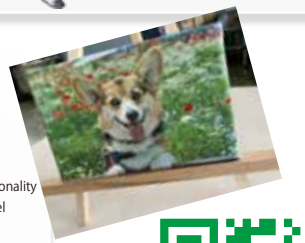
Direct printer

MMP-R330/R330W

A high-performance direct printer offering excellent functionality and operability. Available in two models: the 8-color model [MMP-R330] and the white-ink model [MMP-R330W]. Capable of printing directly on metal, wood, canvas, and more.

- Maximum print area：329×483mm (Super A3)
- Maximum media heigh：125mm

▶Compatible with water-based pigment inks and resin inks.



Large-format printer MMP-T330/T330L

MMP-T330

MMP-T330L

Our lineup includes the MMP-T330, where the base moves during printing, and the MMP-R330L, where the printer head moves instead. Both models are suitable for printing on materials such as wooden memorial tablets (tōba) and leather.

TEXTILE

Textile printer

MMP-TX330/TX330C

Versatile textile printers compatible with a wide range of materials. Our lineup includes the MMP-TX330 model equipped with white ink, and the MMP-TX330C model with a standard 4-color ink configuration. Suitable for printing on T-shirts, tote bags, aprons, and more.

- Printable area：300×470mm
- Maximum media heigh：20mm

▶Compatible with textile inks

Contact us through our inquiry form!

Contact Us

Headquarter

9828-16 Imaizumi, Kataoka
Shiojiri-City Nagano-Pref 399-0711 Japan
TEL：+81-(0)263-53-3700 FAX：+81-(0)263-54-3739

Tokyo Office

Maruki-Bld 2F
1-5-5 Higashikanda, Chiyoda-ku, Tokyo 101-0031 Japan
TEL：+81-(0)3-6699-5670 FAX：+81-(0)3-6699-5687

Kyoto Office

OikemasugiAnnex-Bld 7F east
572 Sambounishinotoincho, Nakagyo-ku, Kyoto 604-8277 Japan
TEL：+81-(0)75-254-6055 FAX：+81-(0)75-213-0239

Mastermind Co.,Ltd.

homepage Instagram

Mastermind

Please note that the contents are subject to change or discontinuation without prior notice.