



Patterning JET PE

- Equipped with the functions necessary for device production as standard.
- Various head drive conditions can be adjusted. (voltage, pulse, frequency, temperature, etc.)
- The addition of necessary optional functions improves the efficiency of print condition extraction and workability.

Features of Patterning JET PE

Evaluation of various inks for PE

1

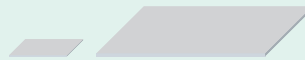


Functional Materials/Solder Resist Etching Resist, etc.

We can test your ink for a fee. We can also provide head material compatibility test, extracting ejection conditions, etc.

Supports a wide range of material sizes.

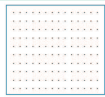
2



By customizing our equipment, we can handle everything from small to large base materials. Please feel free to contact us.

Software Correction Functions

3

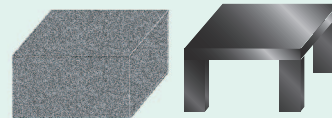


Standard software with various correction functions.

- Calibration of axis position and impact position
- Multi-point alignment function

Trestle base material selection (stone or steel)

4



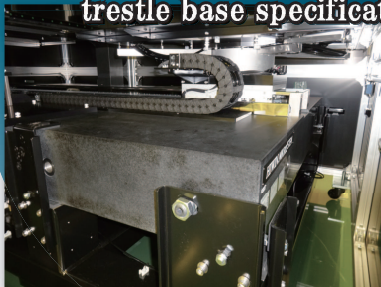
Selectable according to required accuracy

Appearance of Patterning JET PE

High-end model

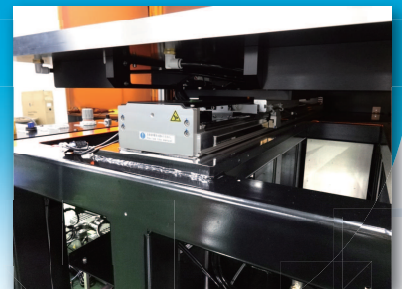
Stone based

High-end models with higher accuracy are Stone surface plate trestle base specifications

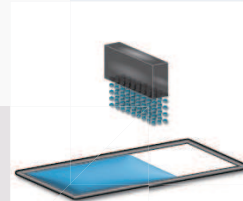
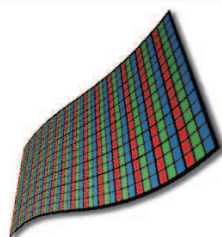


Steel based

General-purpose models are Steel trestle base specifications



Application Image



Issue date: 2023/09/04

The contents of this brochure are subject to change without notice for its technical improvement.

Contact us

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Device Function

| Spec | | |
|--------------------------------|---|--|
| Item | Spec | |
| Trestle base material | Stone-based or Steel-based | |
| Inkjet Printhead | Konica Minolta, FUJIFILM Dimatix, RICOH, Toshiba Tec, etc | |
| UV lamp | LED compatible | |
| Printing table | Size | Small to large size available |
| | Material | SUS or Ceramic or Aluminum Adsorption |
| Printing axis | Carriage moving axis | Linear motor Resolution: 0.1 μm~ |
| | Carriage up/down axis | Ball screw + servo motor Resolution: 1 μm~ |
| | Table moving axis | Linear motor Resolution: 0.1 μm~ |
| | Table rotation axis | DD motor Resolution: 0.01 deg~ |
| Alignment Camera | Camera | 2/3" 5.0 megapixels, B/W |
| | Lens | 1.0× or 2.0× |
| | Field of view | 1.0× lens: 7.0mm(V) × 8.4mm(H) |
| | | 2.0× lens: 3.5mm(V) × 4.2mm(H) |
| | Resolution | 1.0× lens: 3.45μm/pixel |
| | | 2.0× lens: 1.725μm/pixel |
| Lighting | Ring lighting (white) + Coaxial lighting (white) | |
| Other | Printing confirmation is also available | |
| Extracting Ejection Conditions | Camera | 1/2.9" 1.6 million pixels, B/W |
| | Lens | 2.0× |
| | Field of view | 1.8mm(V) × 2.5mm(H) |
| | Resolution | 1.725μm/pixel |
| | Lighting | Opposed strobe spotlight (white) |
| Cleaning inside the device | HEPA FFU unit (Option) on top of equipment | |

| Software Function | |
|---------------------------------|---|
| Item | Function |
| Printing function | Multiple Data Printing |
| | Various other functions |
| Correction/Adjustment Functions | Individual Alignment |
| | Alternate Nozzle Printing |
| | Image Block Correction |
| | Nozzle difference compensation printing |
| | Various other corrections available |
| | Measurement of landing position for each nozzle |

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