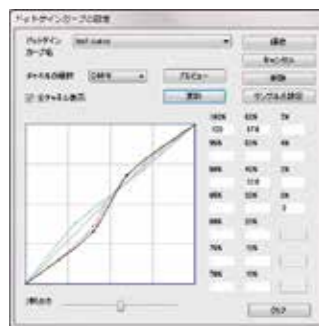# 6 | Offers intuitive printing plate design.

Printing plates can be designed using this software alone.

You can save base and accessory settings as a template and use when similar pagination occurs in the future. Supports most 3D interlacing software. Simply place image in the hot folder and it is automatically adjusted to the lens position. Multiple images can be reserved for processing in the background. The device is equipped with all functions required for printing plate design including dot gain curve adjustment and accessories. You can set the various markers required for lenticular printing without restriction.

Main screen

Dot gain curve setup screen

Background processing condition screen

Base setup screen

Main Specifications

Product type	Premium Edition
No. of output lines	Max. AM600 lines in 10 line pitch for 2400 / 2540 dpi Max. AM1000 lines in 10 line pitch for 4000 / 4800/5080 / 9600(VMR mode) /10160(VMR mode) dpi
Input image	3D interlacing output image (CMYK, TIFF) Max. 4Gbyte
Option	Easy LentiStudio(3D interlacing software)
Max. Plate size	1200×900mm
Max. lens size	1200×900mm
Recommended operating environment	CPU: Intel Core 5 or better recommended Memory: Min. 4GB recommended Hard Disk: Min. 500 GB recommended OS: Microsoft Windows 7 64 bit or later version recommended Display resolution: Min. 1920 x 1080 recommended

Inquires / orders

International sales agent
Hill Forest Trading Japan Inc.
Kimga Bldg. 5F, 1-1-25, Ohogi-cho, Naka-ku
Yokohama, Kanagawa 231-0027 JAPAN
TEL +81-50-5806-7281 FAX +81-45-345-0386
http://www.lenticularripsoft.com/
info@lenticularripsoft.com

Developer

RittaiGiken,Inc.

Aoyama Bldg. 3F, 2-10-12 Misuji, Taito-ku, Tokyo,
111-0055, JAPAN
TEL +81-3-5823-4850   FAX +81-3-5823-4950
http://www.rittaigiken.co.jp
info@rittaigiken.co.jp

2018.1.30

High quality lenticular printing
- **Automatic pitch adjustment**
- **Ultra fine line printing of up to 1000 lines**
- **Color registration correction**
- **Interference fringes removal**

LentiDotManager

Ver.2.2

Lenticular printing where image appear to leap out.
Enables easy, quality printing of surprising 3D images.

LentiDotManager is CTP workflow developed especially to facilitate lenticular printing. The software offers six original features that enhance productivity with less defects. Enables you to easily perform high quality lenticular printing with minimal equipment.
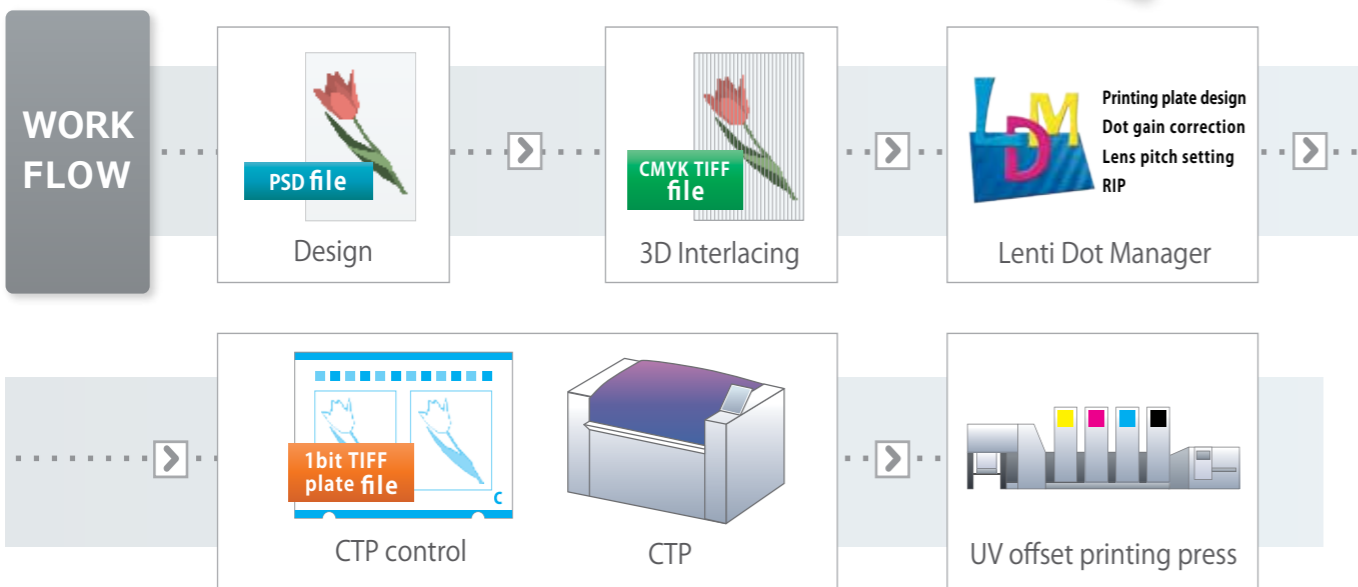
Six features that realize easy, quality printing

- Easy operation
- Precise positioning
- High quality printing
- Spiral correction interference fringes elimination
- moire fringes reduction
- Intuitive plate design

1 | Easy operation

Enables lenticular printing with minimal equipment and expertise

If you are equipped with a UV printing press, you can begin lenticular printing right away. No special equipment or expertise is required. With this software, you can solve the problems that needed a new equipment in the past. Just like conventional pagination software, you specify the various data positions and image to be used is loaded there. Lastly, when the lens pitch is input, 1 bit Tiff data that matches the expanding and contracting lens is generated.

WORK FLOW

- PSD file — Design
- CMYK TIFF file — 3D Interlacing
- LDM — Printing plate design / Dot gain correction / Lens pitch setting / RIP — Lenti Dot Manager
- 1bit TIFF plate file — CTP control
- CTP
- UV offset printing press

2 | Precision positioning of lenticular lens and 3D interlacing image

- Automatically detects image markers generated by 3D interlacing software and adjusts to position that matches the lens.
- color registration is accurately corrected and impact of fanout from the printing press is removed by trapezoidal correction.
- LentiDotManager's unique method enables accurate pitch measurement.
- Corrects inclination produced by spiral exposure.

Image
Lens

Distortion produced by fanout when printing

Fanout distortion adjusted using LentiDotManager
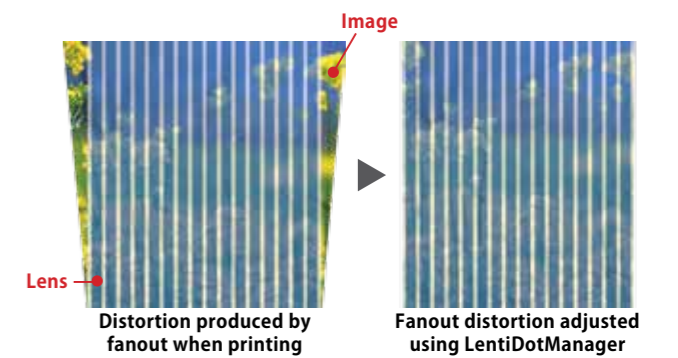
3 | Maximum ultra-fine line output possible with the resolution of CTP

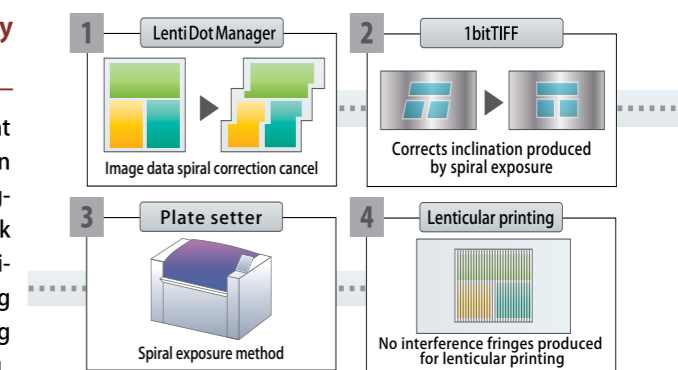### High quality lenticular printing with depth

Ables to produce fine halftone dots up to AM500 lines at 2400 dpi and 1000 lines at 4000 dpi. This enables 3D printing with enhanced depth. Halftone dots are specially designed for lenticular printing, so you can print clean images that produce no interference fringes when switched. Because halftone dots can be used for conventional images as well, they can be used for applications such as reverse printing.

AM600 lines   AM1000 lines
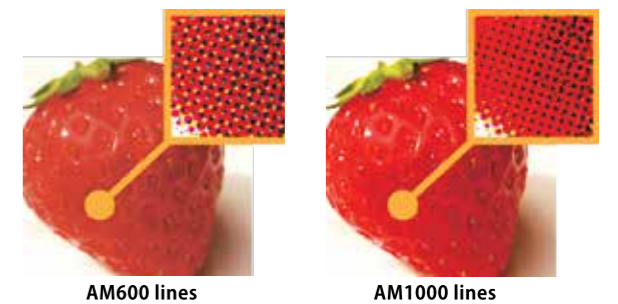
4 | The spiral correction cancel function removes interference fringes

To enable printing without interference fringes by lens perpendicular to the chuck.

With a spiral exposure setter, interference fringes are generated at a uniform pitch perpendicular to the lens by the spiral correction function. To perform lenticular printing without interference fringes, you had to either use lens that are perpendicular to the chuck or use a type that did not produce interference fringes. With Lenti-DotManager, you can eliminate interference fringes by executing processing to cancel correction for 1 bit Tiff data, thus enabling beautiful lenticular printing with the setter you are currently using.

1. LentiDotManager — Image data spiral correction cancel
2. 1bitTIFF — Corrects inclination produced by spiral exposure
3. Plate setter — Spiral exposure method
4. Lenticular printing — No interference fringes produced for lenticular printing

5 | Reduces moire fringes that tends to occur with lenticular printing

- Original halftone dots that eliminate interference fringes produced when switching images
- You can adjust mesh angle in 1-degree units so you can compare paginations at various mesh angles.

interference fringes   Moire

No interference fringes   No moire