

# Flat type printer for precision printing of heavy weighted objects

+ Advantages : 1. Spectra head with the high speed and quality— excellent productivity and good display of colors 2. A high resolution of 363 x 727dpi with high productivity 3. Pressure adjustment within the head prevents leakages of inks

## - Application

- 1 Since it can perform picture printing that requires a high resolution, it is useful for printing promotion souvenirs or digital gallery, printing oil picture image on a canvas
- 2 Since it is an environment friendly product, it can be widely applied to interior products, wall paper, sound-absorbing, wooden Deck tile, glass, plaster board
- 3 It has a wide range of application such as outdoor signs as well as indoor signs.

## - Advantages

- 1 High speed printing. Max Speed : 24 m<sup>2</sup>/hr
- 2 High resolution (363 X 727 dpi)
- 3 Cost effective performance of high class model.
- 4 Auto ink refill system
- 5 Auto head height control system allows you to automatically adjust the height of the media and the head base.
- 6 Automatic adjustment device for the head injection pressure varying with temperature
- 7 Simple and easy operation (The PC monitor informs you of the current status of your e
- 8 Auto pre-heating device (HEAD BASE / Sub ink container)
- 9 Media origin system use of flat plate media —> It supports repetitive printing on the same location.
- 10 Simple and quick maintenance and repair of the head nozzle,
- 11 It supports FULL SIZE printing. (EDGE TO EDGE PRINT)
- 12 It is designated for flat plate printing. A 2,500mm x 1,500mm veneer board can be directly printed without an additional sub table.
- 13 The control part is separated from the main body, so that you can adjust the control location.
- 14 The linear scale is also available on the Y axis, not just the X axis. So, it is possible to control the position in a stable and accurate manner.
- 15 The use of UV ink does not include the VOC component that is not harmful to a human body.
- 16 It can print a width of 2.5M at once. So it is very speedy.
- 17 It automatically controls all the functions of the UV LAMP. —> Automatic Lamp Shuttering system
- 18 Since the WHITE ink is used, you may naturally display all the colors regardless of the color of media or transparent media.
- 19 The linear scale and the encoder supports highly precise printing.
- 20 Precise printing at the high speed repair work is very simple.
- 21 The tower lamp allows you to understand the status of the equipment at a distance —> The 5 colored light lamp and the buzzer sound let you understand the status of malfunction and current operation at a glance.
- 22 The multi safety device emphasizes on the safety of our users. —> Door detection, media setting sensor detection
- 23 It perfectly supports all the necessary parts list and manuals. —> All parts available in the code system, Parts delivery for A/S or repair work is very simple.
- 24 The WASATCH RIP includes the ICC profile function that can show desirable colors and various editing tools.
- 25 Automatic lamp shuttering system allows you to freely print heat on sensitive materials.

- 26 It perfectly controls pressure so that it can achieve a regular printing quality.
- 27 The vacuum based feeding system and the conveyer belt allows to perfectly convey media.
- 28 The RTL LOAD PRINT method saves you loading time. Unless deleted, it will continuously print to achieve faster printing speed.
- 29 It can print up to a thickness of 50mm.
- 30 The AC SERVO MOTOR enables precise printing.

## - Organization

- UV curing printer(PC incl.) + Manual + RIP S/W + INK (C, M, Y, K, Lc, Lm, S), one bottle of each(1l )
- Window XP (OS) CD + Install CD + Keyboard + Mouse + Crow + Sub roll stick + Cables + Other parts

## - Quality

The Spectra Head supports high speed and resolution printing.

The air pressure system adjusts the pressure within the head to prevent ink leakages and to supply ink smoothly.

The 6 color (C,M,Y,K,Lc,Lm) Ink as well as the white ink (option) allows you to vividly present live colors with a high resolution of 727 dpi.

The Linear Scale supports accurate printing with a high resolution.

## - Productivity

Highly productive, max output speed of 24m<sup>2</sup> .

When the UV curing ink is exposed to the UV light, it gets dried immediately. Highly productive and efficient use of space.

Max output width of 2500 x 1500mm

Auto ink refill system enhances the productivity through stable supply of ink.

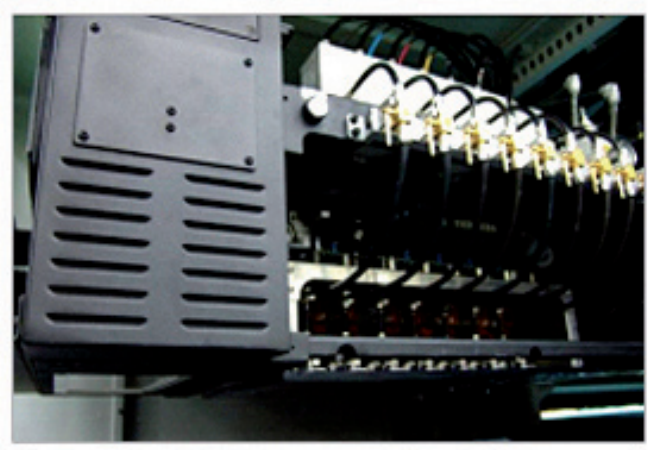
## - Cautions for Use

- Prior to use, you must read the user's manual very thoroughly.
- For the stable printing condition, keep to level the machine horizontally after installation.
- For the long use of printing head which is core technology of Inkjet Printer, use authenticated ink only.
- If you follow the replacement cycles of parts, you may maintain the best condition of your equipment.

• Main functions



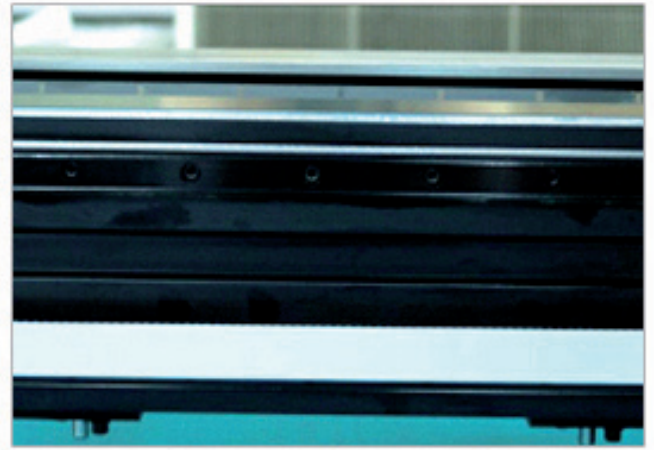
Flat Tyte Printer



Automatic Lamp Shuttering System



Auto Head Height Control



High Precision Linear Scale



Signal Lamp



Printer Control System



Including Part

| MODEL                           | NEO DELUXE<br>UVD-2506(W)   |
|---------------------------------|---|
| <b>Print Head technology</b>    | Drop-on demand Piezo  |
| <b>number of head</b>           | 6 or 8 (Spectra Nova, 256 Nozzles, W1 + W2 or W0)   |
| <b>Print resolution</b>         | 363 x 725 dpi   |
| <b>Print mode</b>               | Uni and Bi-direction  |
| <b>Printing speed</b>           | 9 m <sup>2</sup> /hr [16P]<br>12 m <sup>2</sup> /hr [12P]<br>18 m <sup>2</sup> /hr [8P]<br>24 m <sup>2</sup> /hr [6P]   |
| <b>CPU</b>                      | Main MCU : 16bit RISC, PC : 2,66GHz   |
| <b>Memory</b>                   | Logic (FPGA) : 12MB, PC : 1GB   |
| <b>Command</b>                  | SP-RTL and HP-RTL Emulation   |
| <b>Interface</b>                | I/O Card (PCI7200), LAN, USB  |
| <b>Ink type</b>                 | UV based pigment  |
| <b>Color</b>                    | 6 or 7 colors (C, M, Y, K, Lc, Lm, White (Optional))  |
| <b>Dimension(W×D×H)</b>         | Main body : 4,440×3,770×1,480mm[W×D×H]  |
| <b>Weight(kg)</b>               | 1500 kg (Main) / 150 kg (Controller)  |
| <b>Printable material</b>       | Flat plate only   |
| <b>Max output range</b>         | Flat plate : 2,500mm×1,500mm  |
| <b>Input voltage</b>            | 3 phase AC 380V ± 10% , 50/60 Hz  |
| <b>Vacuum adjustment device</b> | Supply pressure : 5 kgf/cm <sup>2</sup><br>Vacuum pressure -0.030 ~ -0.040 kgf/cm <sup>2</sup>  |
| <b>Auto height adjustment</b>   | Head : 50mm   |
| <b>Material conveyance type</b> | AC servo Driver   |
| <b>Warranty</b>                 | 1 year  |
| <b>Other features</b>           | Automatic lamp shuttering system<br>Automatic ink refill system<br>Automatic print head height controller<br>Print head alignment controller<br>Vacuum generated by negative pressure |