



**QUANTUM**  
DIGITAL TECHNOLOGIES

***SPARTAN HB Series***

# 2.2m UV Hybrid Printer

***SPARTAN HB 2000***

**Widely used in different industries**



## **Max.Print speed 177sqm/h**

Comparison speed : Printing PVC

**106 sqm/h**

479×1080 dpi 3 pass

**65 sqm/h**

479×1440 dpi 6 pass

*\*speed and quality based on OMNIColor inks*



## **Multi-Color options**

Customizable Color Combinations

Over 10 options, including C-W, W-C, C-W-C, Embossed textures



## **Enhanced operability and functions**

New feeding up system with new balance system

Special belt convey system

Flat material printing up to 25mm thick



***SPARTAN HB 2000***

# 2.2m UV Hybrid Printer

## SPARTAN HB 2000

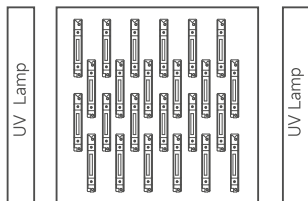


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|                           |                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Model                     | SPARTAN HB 2000                                                                                                             |
| Printhead                 | Konica 1024a/1024i 4 rows                                                                                                   |
| Resolution                | 479, 1080, 1440, 2160dpi                                                                                                    |
| Color                     | CMYK, White/Varnish LcLm(option)                                                                                            |
| Material thickness        | 0~25mm (0.984in)                                                                                                            |
| Ink curing system         | UV LED curing system                                                                                                        |
| Vacuum suction            | 4 zones                                                                                                                     |
| Max printing width        | 2200mm (86.61in)                                                                                                            |
| Ink                       | UV LED curable ink                                                                                                          |
| Optional                  | Extension tables*2pcs (This is optional parts)                                                                              |
| Color validity            | 3~5 years outdoor and 7~10 years indoor without color fading (use Sprinter ink)                                             |
| Ink capacity              | 2.5L drums, automatic alarm for ink volum shortage                                                                          |
| Ink supply system         | Auto Negative ink supply                                                                                                    |
| Media                     | Glass、Acrylic、Ceramic、Metal、Paper、Wood、Leather、Flex Banner、Wallpaper、Car Sticker、Soft Film、PVC、PP、PE、PTFE.....              |
| PC Specification          | Window7/10/11 64bit . RAM≥8G . HDD≥500G . SSD≥128G . CPU≥Inte I5                                                            |
| RIP software              | Photoprint /PrintFactory/Caldera(option)                                                                                    |
| Operation environment     | Temperature 18°C~ 26°C<br>Humidity 40% ~ 70%                                                                                |
| Power supply              | Power Maximum: 7.2KW; AC,50HZ/60HZ; 220v(±10%) > 15A                                                                        |
| Image format              | Tiff,JPEG,EPS,PDF                                                                                                           |
| Dimensions(LxWxH)         | 4535 x 1520 x 1600mm (178.54 x 59.84 x 62.99 in) & 4960 x 3670 x 1600mm (195.28 x 144.49 x 62.99 in)(with extension tables) |
| Package dimensions(LxWxH) | 4750 x 2216 x 1830mm(187.01 x 87.24 x 72.05 in)                                                                             |
| Net weight & Gross weight | without extension tables 1300kg(2866lb) & 1800kg(3968lb)                                                                    |
|                           | with extension tables 1420kg(3131lb) & 1920kg(4240lb)                                                                       |
| Certification             | CE                                                                                                                          |

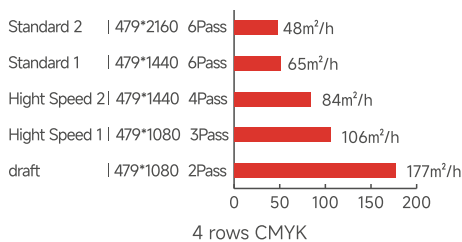
\* Notice: above specifications are subject to change without prior notice.

### Printhead Soleplate



4 rows KM1024a or KM1024i

### Print Speed

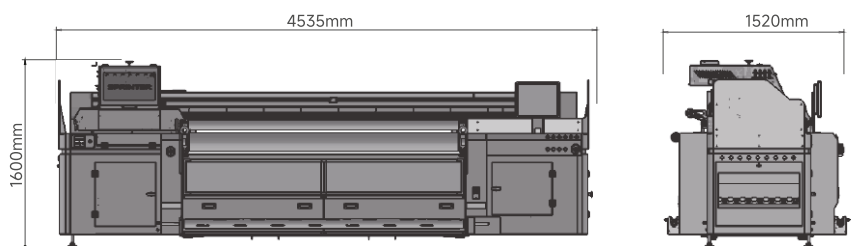


### Ink Supplies

| Item   | Color   | Remarks   |
|--------|---------|-----------|
| UV Ink | #6S4    | 1L/bottle |
|        | cyan    |           |
|        | magenta |           |
|        | yellow  |           |
|        | black   |           |
|        | white   |           |

▲ Inks and substrates:  
 • As physical properties of ink (adhesion, weather resistance etc.) are different depending on media, please be sure to have a print test in advance.  
 • Depending on the application, primers, other surface treatment or surface protection such as lamination may be necessary.  
 ▲ Safety notice:  
 This product is equipped with UV irradiation equipment. Please pay attention to the following notes in order to use safely.  
 • Do not look directly into the UV light source nor place your hand, or expose your skin directly to the UV light source.  
 • Depending upon print mode, some VOC emission from printed parts not yet cured and hardened may occur.  
 • In addition, please be sure to read and follow the instructions and guidelines of the manual carefully.

### Dimension



### RIP software



### Extension table (Option)



### Perfect inks: OMNIColor UV

