



THERMOFLAN

Extending printing limits with 5530 + UV flatbed digital printer

In UV printing, ink is sprayed on material and immediately cured by a UV lamp.

UV 5530+ machine is unique on the market of small size UV printers : highly versatile, it offers large possibilities in terms of printing sizes and height, at reduced cost .

It produces incredibly sharp prints and vibrant color images, resistant to solvents and abrasion, on a large range of materials : wood, metals, ceramics, plastics, glass, leather...



Advantages of UV inkjet printing

- Optimized resolution, up to 5760 dpi.
- 4 UV ink colors + white.
- Maximum printing area : 295 x 550 mm.
- Maximum printed part thickness: 175 mm.
- Z axis stroke controled by worm screw for very precise adjustment.
- Automatic adjustment of printhead height over printed item by optical fiber or directly entering workpiece thickness on the Touch Panel digital keyboard
- Reduced cost for head replacement.
- WhiteRip software for color and ink thickness control (CMYB, White) .

Applications

- Marking : pens, Usb keys, rulers, cd, balls ...
- Electronics: connectors, notebooks, cell phones, pc, ...
- Companies : internal signage, employee badges, business cards, plates, ...
- Industry : manufacturer plates, control panels
- Photography: awards, weddings
- Miscellaneous items: tiles, wooden boxes, funeral plaques, Braille..



caoutchouc



cuir



acrylique



bois



verre



aluminium



métal

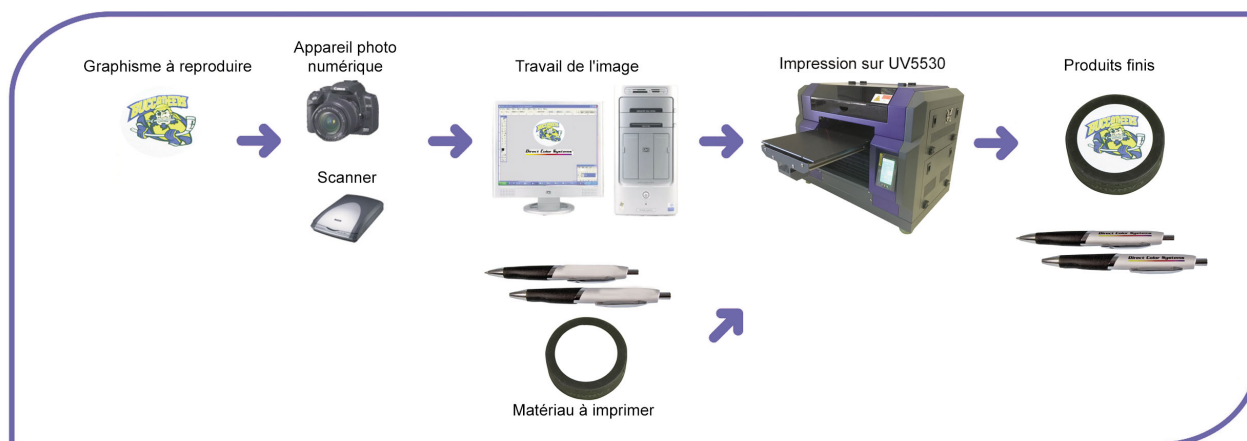


pierre

Marquage equipment

With 5530+ UV printer, it is possible to customize objects in small and medium series, or even a single unit, in CMYB + white on flexible / rigid and light/dark materials. White ink creates an opaque base to obtain surprisingly vivid colors on virtually any colored substrate. With White Rip software, printer control is very user-friendly

How to make a print in a few minutes



Specifications

Printing technology	Ink jet (micro Piezo), 8 channel printhead with 180 nozzles / pouce / channel
Resolution	Draft mode : 360 x 360 , 360 x 720 Production mode : 720 x 720 , 720 x 1440, 1440 x 1440, 1440x 2880, 1440 x 5760 dpi
Minimum / maximum ink drop size	Through Rip software, it is possible to vary size from 1.5 / 21 picolitres, to manage color density and produce reliefs (such as Braille)
Ink colors	Yellow, Magenta, Cyan, Black, White
Ink system	150 ml ink bottles. White circulation system to avoid ink sedimentation
Printing speed	6 minutes for bi-directional, 1440 x 1440 dpi A3 image printing
Printing direction	Uni & bi-directional
Maximum printable area	295 mm x 550 mm
Maximum printed part weight	8 Kg
Z Axis (Depth / thickness control)	175 mm Automatic detection by fiber optic technology or direct input of part thickness on the Touch Panel keyboard
Printable materials	With our UV inks, it possible to print on a wide range of materials (1), including : plastic, glass, wood, ceramic, stainless steel, etc. (2)
Control panel	Touchscreen control panel, in French
Interface	USB 2.0
Operating system	XP, Vista & Windows 7 (32 & 64 bits)
Required configuration	CPU > 2 Ghz, RAM > 2Go, 40 Go available location on hard disc, 2 available USB 2.0 ports
Electric supply	100-240 VAC , 50-60 Hz - 4A auto switch
Working temperature/ Humidity	18 – 25° C / 30-70 % without condensation
Sizes	1000M×750MM×520MM
Weight	90 Kgs
Warranty	one year



Synchro print

With this function, printing output is exponentially increased : white base and colors are simultaneously printed for a considerable gain in terms of speed.



Ink recirculation system :

IRS is an innovative system improving machine performance thanks to white ink recirculation that avoids deposits likely to clog the head in case of prolonged non-use



Head position control system.

With PHPC system, it is possible control head position in order to protect it to get regular prints



Dedicated RIP : White Rip

White Rip is a professional software developed and certified by EV Network. It is based on new techniques that improve print quality and optimize production. The software is designed to be used in various fields of applications.

(1) Image durability must be tested beforehand on any substrate, and customer must determine if it is suitable
(2) Some materials require the application of an adhesion promoter to improve image durability

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