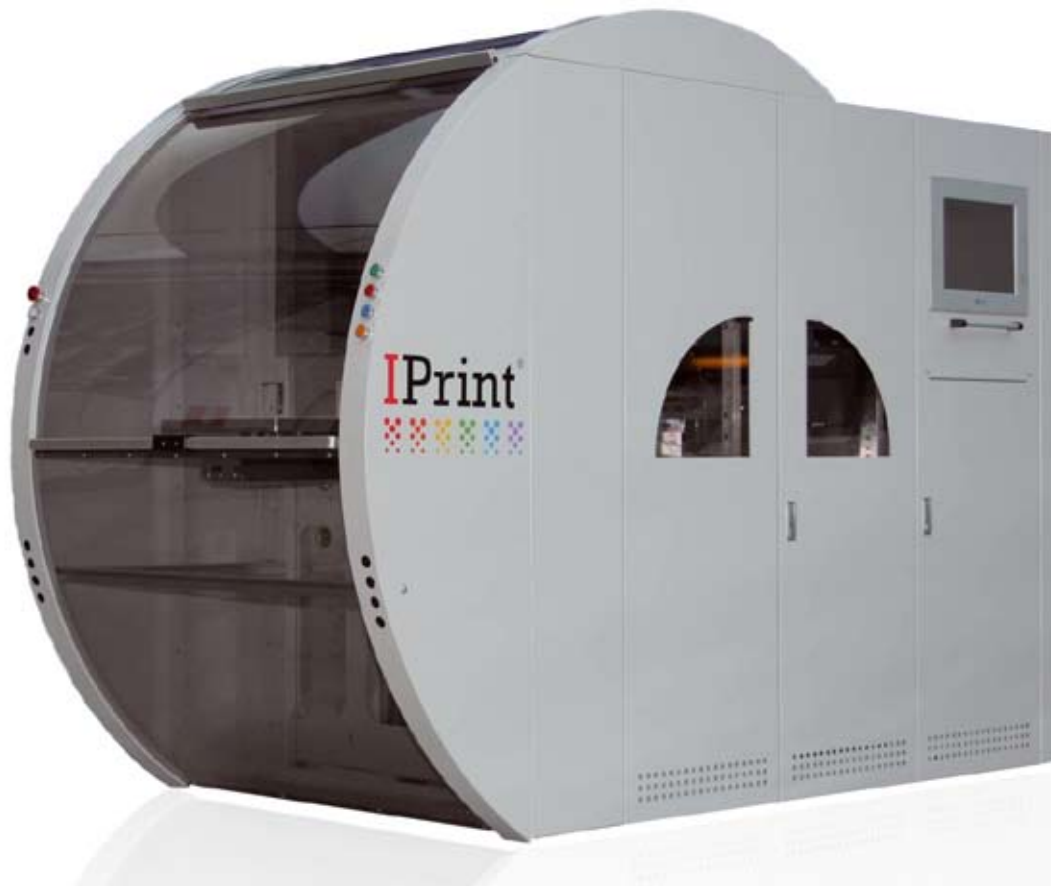


IPrint[®]
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IPrint®

Multi Format Digital printer



Incredible versatile

IPrint is a revolutionary industrial UV inkjet printer for printing onto small, medium or large three dimensional objects.

But unlike conventional flatbed printers, items to be printed are arranged on a removable 'tray'. Trays can hold just one large item or a multiple of smaller items such as USB keys, badges, cards or promotional items

When it comes to printing onto a multitude of objects, flexibility is certainly the key word. That is why we have made IPrint accept a wide range of dimensions and materials, then allowed you to choose the method of printing, from single to multi-pass enabling you to easily meet the demands of both the work in hand and that of your customers.

We also know that downtime for re-loading a machine or changing a job costs money, so we made the print platform an interchangeable tray, allowing one tray to be printed while the other is reloaded. And then once the first job is finished it will take you less than a minute to restart with a new image and be back in production to satisfy yet another customer.

And we didn't forget the output either, a full cycle for a tray to be printed and changed takes about 45 seconds, as the tray can hold 70 USB keys an output of well over 4,000 pieces an hour can be obtained.

Add to this forty years of manufacturing experience and you have the most incredible versatile machine money can buy.

Prints directly on any surface

Pvc, polyester, polycarbonate, polystyrene, polypropylene, plastic, opp, cardboard, glass, ceramic, wood, metal, acrylic and much more.

No film, screen or plate needed

No preparation time or costs prior to printing and the only storage space required is that of the hard disc.

Up to 8 colours

IPrint can be supplied in any combination from one colour to six colour plus white and clear. Also a choice of one or two heads per colour.

Job change in less than 20 seconds

That's all it takes to reload a new image. Digital direct printing saves money in materials, time and labour.

Extremely low ink consumption

Due to the process used, a very small amount of ink is consumed making the ink cost per item very low.

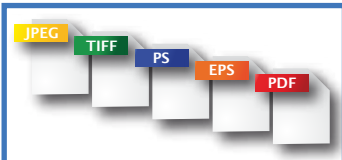




Image file

Any conventional image file is accepted, the process to turn the image into a rip-file is fully automatic and takes only a few minutes.



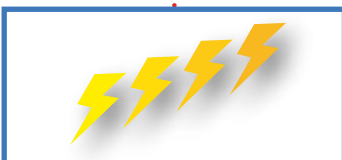
Software

A touch screen and proprietary programmes makes interfacing as simple as using your desk top printer.



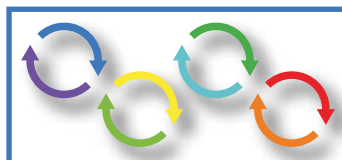
Direct print

The non-contact inkjet drop on demand technology allows a very high level of precision when printing onto three dimensional objects.



Print finish

UV ink can be cured within microseconds to a hard and resistant finish and also allows a high level of adhesion onto a wide choice of materials.



Job change

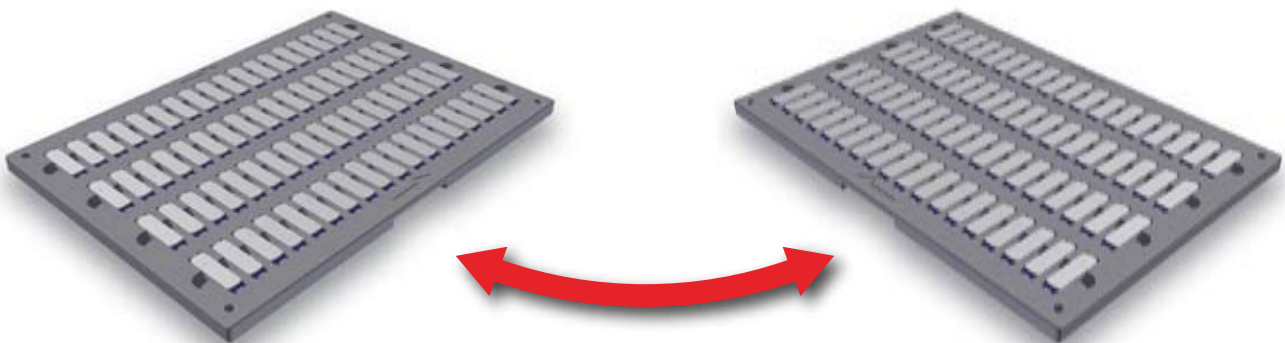
With no films, screens, plates or clichés, changing the image to be printed takes less than a minute.



Low cost

Many years of experience in the UV manufacturing environment has allows us to keep ink, spares, service and maintenance costs to a minimum.

Interchangeable tray concept



Flexibility and ease of product change is what makes IPrint so incredible versatile. Individual items to be printed are loaded onto trays, these can be identical and requiring exactly the same image or each item can be different.

Exchanging one tray for another after each print cycle reduces machine downtime to a minimum allowing maximum output. Naturally the smaller the item the greater the quantity that can be loaded onto each tray.

Trays and image positioning templates are available for both standard and customised items.

- | | |
|----------------|-------------|
| Optical discs | Badges |
| Flash memory | Displays |
| Labels | Pens |
| Packaging | Decorations |
| Pharmaceutical | ID cards |
| Tiles | Gadgets |

Technical specifications

| | |
|--------------------------|---|
| Substrate | |
| Surface | Non porous |
| Surface type | PVC, polyester, polycarbonate, polystyrene, polypropylene, plastic, OPP cardboard, glass, wood, metal, ceramic, acrylic |
| Maximum print area | 600 x 400 mm |
| Maximum substrate height | 150 mm |
| Print | |
| Head bridge | Up to 24 UV piezoelectric drop on demand inkjet heads |
| Ink type | UV curable with high adhesion on media |
| Ink supply | Collapsible bags changeable during print process - low level sensor |
| Colors | C M Y K Lm Lc White Clear |
| Software | |
| PLC | IPrint Tapematic programme |
| RIP | Licensed imaging and correction software included |
| Image transfer | LAN, USB, wireless |
| Original image files | PostScript, PDF, Jpeg, Tiff, EPS |
| Images stored | > 6000, divided in folders |
| Process | |
| Substrate in-feed | Multi items on a removable tray |
| Printing | Multi or single pass |
| Print cycle | Tray movement via reciprocating shuttle action |
| Production | 30 - 60 seconds per tray |
| Physical | |
| Dimensions | 1266 w x 2430 l x 1955 h mm |
| Weight | 800 kg |
| Utilities | |
| Power | 400V 3 phase 50/60 Hz 15 k VA |
| Air | 6 bar 200 N l/min |
| Vacuum | - 0.8 bar 10 m ³ /hr |
| Water | Chiller 7 k VA |
| Environment | |
| Work area | 3 m x 4 m ceiling height minimum 3 m |
| Temperature | 22 - 25 °C |
| Relative Humidity | 55 - 65% non condensing |
| Safety | |
| CE | Complies with all current regulations |
| Ink | Non toxic fumes - no exhaust required |
| Options | |
| In-feed automation | Tray supply and removal |
| Surface treatment | Corona, plasma, flame |
| Serialization | Progressive numbering |

We reserve the right to make modifications without prior notice

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