⏻UV-600s/1200s

➜ heart pounding UV production

- ○ FINISHE D PRO DU CTS
- ○ PRO DU CT PRO TO TYPE S & P RODU CTIO N
- ○ LA BELS & DE CAL S
- ○ PACKAGIN G & P RODU CTIO N
- ○ SIGN & DISPL AY

a world of applica tions

The UV printing mar ket extends f rom simple p roduct deco ration to compl ex additive manufacturing . Designed with the id ea o f printing 'Anything to just about Everything' bringing innov ative answers to the most demanding deco ration needs .

The iUV series provides the versatility, flexibility, and durability helping drive the transform ation o f any item . The celeb rated image quality o f the iU V series printers are id eally suited to gi ftwa re, souvenirs , pac kaging , 3D e ffects , displays , signage , individual pa rts deco ration, p rotoyping , industrial marking etc .

The iU V series delivers ex ceptional photo realistic colou r. In addition to unm atched material size and thickness capabilities , the printer utilizes CMYK , White and Cl ear inks for stunning special e ffects including t extures and simul ated embossing . It all adds up to powerful visual impact on POP displays , industrial pa rts, a rt, p romotional products and one or two-sided signs with variable d ata…

FLEXIBLE!

Designed wi th the idea of prin ting "Any thing to just about Everything"

■ print big and many small items

The iUV series has a la rge 1150x 750mm print bed that will print thin media films through to complex injection molded parts up to 300mm thick – a simple transition or setup to print on any media is fu lly automated and imaging quality is cont rolled via an intui tive RIP that was developed for industrial and a rchival qua lity photo quality printing. While the iUV series is ideal for use with standa rd materials like foamco re, plastic, wood, glass and metal, it is also the perfect solu tion if you want to print on hund reds of USB drives, smartphone cases or distinct items like guitar cases, water bo ttles and mo re.

To make printing of diffe rent shapes and sizes of materials e ffortless, the iUV series is packed with special featu res such as water cooled LED lamp systems for heat sensitive media and an automated media senso r, that detects the surface height of a substrate, resu lting in a quicke r, simpler and mo re intuitive experience.

The Comp ress iUV series gives you   the freedom
to print exactly what you want, when you want
and virtually to whatever you want

■ manufacturing

Comp ress UV LED technology is an enti   rely new small footprint flatbed UV printer that brings cost-e ffective, on-demand color printing to the production floor for a multitude of substrates. The Comp ress iUV Series gives you the f   reedom to print exactly what you want, when you want and virtually to whatever you want. Fast color digital prin ting is possible for glass, metal, plastics, boa   rd stocks, acrylic and more. Even flexible media like textiles and leather deliver the widest flexibility in comme rcial printing options. The Comp   ress iUV 's flexibility means reduced waste, less inventory, accelerated workflow, full color process printing to a mu ltitude of substrates with variable data imprinting – a ttract new business and customers or solve cur rent p roduc tion issues.

The Comp ress iUV industrial print head featu   res 1440 nozzles capable of delivering a minimum picolitre drop of just 3.5Ng for ultra fine dot placement. When configured with up to 6 colors of CMYK – White and Clea   r, our 604mm wide print width delivers 1400 dpi native print   resolutions at incredible speed with   remarkable color brilliance. Max print a rea of the iU V-600s is 604mm x 450mm (A2+) with an a djustable media height to 300mm (the la rgest media height of any printer in its class).

Max print a rea of the iU V-1200s is 1150mm x 750mm (A1+) with an a   djustable media height to 300mm (again the la   rgest media height of any printer in its class).

Speeds up to 300 feet per hour in p   roduction mode and 50 feet per hour in quality mode. Each ink color is delive red via a 250ml p ressurized ink tank for constant ink feed to the dampe   r. A ll white Inks are pressurized and recirculated with filtering by our patent pending WIMS (white ink management system) for less downtime and ink issues in general… low maintenance. P   roduction read y.

original goods /OEM

You a re able to o ffer customers a vast array of customized p roducts, including personalized gifts for special anniversaries and other p   remium-value items that a re commonly used within   the specia lty or corporate gifting markets.

The Comp ress iUV allows you to p   roduce original merchandise with ease by   direct printing on 3D objects such as common, comme   rcially available articles.   You can turn the o rdinary into the extrao rdinary, including custom-designed smart phone and tablet cases, pens, trophies and awa rds not too men   tion the vast array of products readily available for decoration.

product p rototypes & production

For p roduction of custom parts.

The Comp ress iUV allows you to print di   rectly on parts for industrial use, such as car interior parts, injec tion molded closu res, packaging etc, enabling customization to meet a wider customer base. Prototypes and p roduc tion can be rea lized quickly and inexpensively with no need for sc   reen or plate making. In comparison with pad printing mu   ltiple colors can be decorated at inc   reased speeds. Making the comp ress iUV series an invaluable part of the p roduction line.

The use of **clear and white ink** enables you to come up with samples that have been subjected to special printing processes, such as spot varnishing and embossing.

Compress UV LED technology is an entirely new small footprint flatbed UV printer that brings cost-effective, on-demand color printing to the production floor for a multitude of substrates

labels, decals, packaging prototypes & proofs

Print directly onto ANY label or board stock.

An integrated roll to sheet media handling system is incorporated for packaging, label production and proofing. The use of clear and white inks allows a diverse range of decoration processes that can revolutionize the printing of labels, decals and packaging samples.

The Compress iUV series can give labels a high-end appearance with varnish and texture representations that are created by the use of clear ink. Printing can be performed onto a wide variety

of substrates directly. Imagine proofing on the same media you will run on the press!

Direct printing on packaging materials leads to quick production of prototypes that are highly detailed and infinitely closer to the final article. The entire process is streamlined, from the design, edit through to verification to colors. The use of clear and white ink enables you to come up with samples that have been subjected to special printing processes, such as spot varnishing and embossing.

The iUV series p rovides the versati lity, flexibility, and durability helping drive the transformation of any item

signs and displays

Ideal for window decorations, outdoor ya rd signs, in-sto re p romotions, back lit signs, shelf wobblers and mo re – p romote brands better – the iUV series provides a profitable, flexible point-of-sale and general signage display printer to enhance publicity in sto re.

C rea ting la rge-size POP 3d displays wi th the iUV Series printers is easy and the ideal size format of 1150 x 750mm widens the printable options by incorporating flat bed and roll to sheet media flexibility. Print composite panels, glass panels or back lit roll me dia with fu ll-color printing and then apply clear ink for transpa rent rendering which resu lts in an outstanding image. Now print CMYK and white inks on transpa rent PET material for the purpose of imparting an upscale imp ression. This allows printing on rigid media up to 300mm in height which can be used to p roduce high-impact vacuum formed displays.

The iUV series is flexible and a true production pla tform that wi ll quickly be the favo red work horse with operators and brand managers alike.

souvenirs and giftwa re

Impact printing of gifts and p romo items.

Perfect for adding value to corporate gifts and promo tional items – Comp ress printers quickly and precisely imprint even the smallest text, photos, logos and other artwork on a wide variety of both curved and flat items, including flasks, key chains, pens, lighters, awa rds and photo frames.

◼ in house samp ling

A major cost to any size business is sample p roduction cost and the cost of time lost in waiting on sample p roduction. In-house digital printing is changing how businesses app roach their sample p roduc tion by speeding up turn-a round times and deeply cut ting the cost of p rototype p roduction. Each of our class of printers has the ability to p roduce samples because digital printing enables you to print exac tly the size and quan tity needed. Even though the la rger machines can print in p roduction mode, you can s till print the desi red quan tity no matter how sma ll. Digital printing e liminates waste of material, time, and mone y.

◼ expan ding markets

Global printing mar ket to top $980 billion by 2018

The global printing industry is fo recast to reach $980 bil lion by 2018, driven by growth in packaging and labels, rather than graphic applica tions, and digital rather than analogue prin ting, acco rding to a new market report by Smi thers Pira.

The print technology in use is also changing. Digital printing is now taking much mo re sha re, par ticularly in graphics (i.e. non-packaging app lications). Digital 's sha re of the whole market doubles in constant value terms f rom 9.5% in 2008 to 19.7% by 2018, when packaging is excluded this share is 23.5% in 2012 to 38.1% by 2018 a lthough the print volume sha re remains lo w, acco rding to Smithers Pira. Digital generally commands much higher values, with print suppliers demonstrating the e ffectiveness of the products .
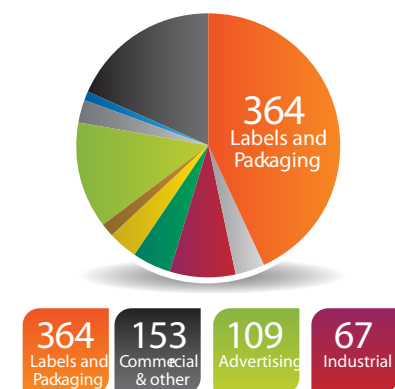
Print: End-use Sectors - mar ket sha re

2011
$Billion (constant 2010 prices and exchange rates)

300 Labels and Packaging

| 300 Labels and Packaging | 145 Commecial & other | 108 Advertising | 69 Industrial |

2016
$Billion (constant 2010 prices and exchange rates)

364 Labels and Packaging

| 364 Labels and Packaging | 153 Commecial & other | 109 Advertising | 67 Industrial |

Projected g rowth o f U V LEDs 2012-2017

2012
UV Light Sorce Maket - Split by technology
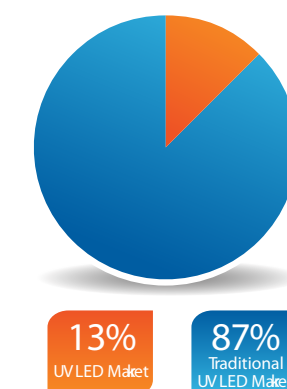
| 13% UV LED Maket | 87% Traditional UV LED Maket |

2017
UV Light Sorce Maket - Split by technology

| 35% UV LED Maket | 65% Traditional UV LED Maket |
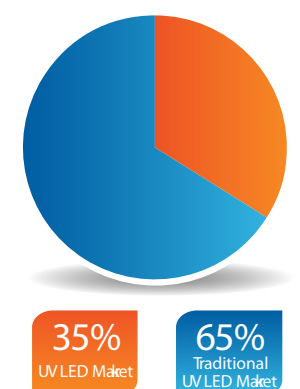
Bringing print p roduc tion in-house,
the time saved on logistics and
handling allows for significant
cost savings and faster   reaction to
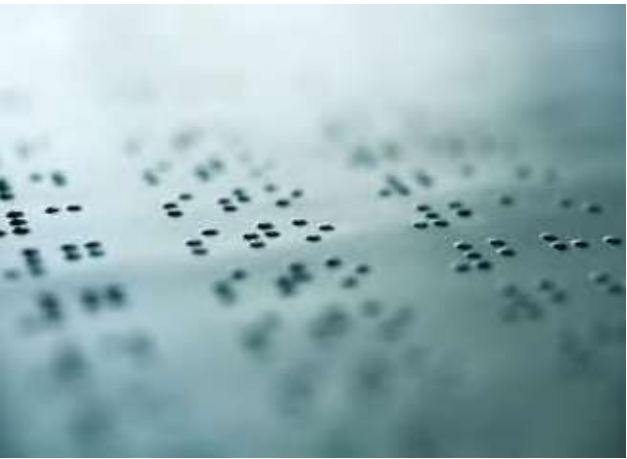changing market needs.

specifications

benefits

PRIN T SPEEDS *

D raft (360dpi ranges) :
@ 35m ² (@376 ft²)

Production (720dpi ranges) :
@ 12m ² (@129 ft²)

Quality (1440dpi ranges) :
@ 6m ² (@64 ft²)

* Based on dual CMYK   .
   Approximate figures
   dependent on g raphics
   etc . and a re a guide onl y.
   White and cl ear can lower
   production rates . Additional
   print modes suppo   rted
   within RI P. Print trials a re
   recommended prior to
   production.

- Six independent color channels
- 1150 x 750mm print a rea wi th 300mm me dia height.
- Ro ll to sheet compatibility for   roll media
- WIMS (white ink management system) onboa   rd
- All steel construction
- Dual LED water cooled variable watt low heat lamps
- Inbuilt media height detection
- Ink mist extraction

1200mm

1310mm

1210mm

1810mm

variable data printing

Wi thout requiring the plate-making p   rocess, the
iUV Series printers can speedily handle o   rders
for mul ti-kind and small-lot printing at low cost.
Equipped with a variable data printing featu   re,
it can print individuals' names, QR and IR codes,
barcodes etc., with high efficiency. It's flexibly
meets customer needs particularly in p   roduc tion
of corporate branded items as well as sma   ll-lot
industrial goods.

3D printing and e ffects

Specia lty sign manufactu rers can utilise UV technology
for back lit signage or building emergency floorplans
printed inclusive of ADA compliant brai   lle right
through to cottage industries p   roducing bespoke
packaging, boutique cosme   tic and fragrance
companies branding   their p roducts or souvenirs
companies. Addi   tionally by bringing print p   roduc tion
in-house, the time saved on logistics and hand   ling
allows for significant cost savings and faster reaction
to bringing p roduct to market and   respon ding to
changing market needs.

Key Specifications	600s	1200s
Printhead	On-demand inkjet (Mic ro Piezo) 1440 nozzles . 3.5Nq-42Nq d rop	
C olor	8 (Dual CMY K or 4* White/Cl ear plus CMYK) (Y, M, C , K, Cl , Cl , W, W) , (Y, M, C , K, Cl , Cl , Cl , Cl) , (Y, M, C , K, W, W, W, W) , (Cl=Cl ear, W=White)	
Print Area/Bed Size	604mm x 450mm (24" x 17.7") Min: 37 x 26mm (1.5" x 1") Max media height: 300mm (11.8") Bed Size: 650 x 450mm (25.6" x 17.7")	1137mm x 750mm (44.7" x 29.5") Min: 37 x 26mm (1.5" x 1") Max media height: 300mm (11.8") Bed Size: 1150 x 750mm (45.3" x 29.5w")
Resolution		
Draft Modes:	360 x 360 , 720 x 360 , 720 x 720dpi	
Production Modes:	1440 x 720	
Ink Specifications		
Ink Type	iUV LED pigmented U V-cu rable in ks	
Ink Volume	Individual 250ml refillable ink tanks available in 500 & 1000ml	
Ink Delivery	Bo ttle - p ressurised C YMK Bottle - pressurised re-circulation - white (WIMS) with filtration	
Other Specifications		
Ope rating System	Mic roso ft® Windows® XP or l ater RIP - Print Pro	
Electrical	AC 110-240 V, 50-60Hz , 10A , C onsumption - 55 W or less , Standby - 5 W, O ff - 1W	
Dimensions		
Width x Depth x Height (mm)	1130(W) x 1200(H) x 1210(L)mm 44.5"(W) x 47"(H) x 47.6"(L)	1305(W) x 1310(H) x 1810(L)mm 51.4"(W) x 51.6"(H) x 71.3"(L)
W eight [B ox weight may vary]	178kg	310kg

compress®
labels-graphics-packaging

We're green, or try as ha rd as we can to be a   responsible corpo   rate company
who ta kes our envi ronment policies seriousl   y. We endorse and pa   rtner
with suppliers who also adopt similar principles.