

**Ⓢ UV-600s/1200s**

**→ heart pounding UV production**

**DUAL LAMP • UV LED • >300<sup>2</sup>fph • ECO INKS**



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**Compress UV LED printing technology** is an entirely new small footprint range of flatbed UV printers that brings cost-effective, on-demand color printing to the production floor for a multitude of substrates. The Compress iUV-series gives you the freedom to print exactly what you want, when you want and virtually to whatever you want. Fast color digital printing is possible for glass, metal, plastics, board stocks, acrylic and more.

Even flexible medias like textiles and leather deliver the widest flexibility in commercial printing options. The Compress iUV flexibility means reduced waste, less inventory, accelerated workflow, full color process printing to a multitude of substrates with variable data imprinting – **attract new business and customers or solve current production issues.**



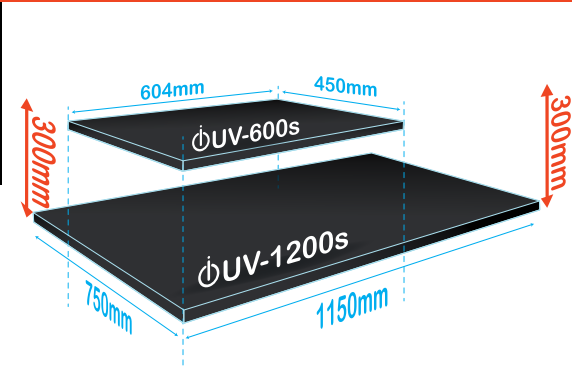
- 1 Six independent color channels
- 2 Optional unwinder for roll media
- 3 WIMS white ink management onboard
- 4 All steel construction
- 5 Dual LED variable watt, water cooled low heat lamps
- 6 Inbuilt media height detection
- 7 Ink mist extraction

The Compress iUV industrial print h  
 minimum picolitre drop of just 3.5N  
 up to 6 colors of CMYK – White and  
 native print resolutions at incredibl  
 of the iUV-600s is 604mm x 450mm  
 largest media height of any printer  
 Max print area of the iUV-1200s is  
 to 300mm (again the largest media  
 feet per hour in production mode a  
 delivered via a 250ml pressurized i  
 Inks are pressurized and recirculate  
 management system) for less down  
**PRODUCTION READY.**

## PRINT A BROADER RANGE OF SUBSTRATES



FINISHED PRODUCT • PROTOTYPE & PRODUCTION • LABELS  
 & DECALS • PACKAGING & PROOFS • SIGNS & DISPLAYS



Media height/print size comparison for iUV600/1200s



iUV-600s - Print area A2+  
iUV-1200s - Print area A0-



Dual water cooled LED lamps. 395Nm low heat



Bulk ink system with WIMS® ink circulation and filtration

Head features 1440 nozzles capable of delivering a fine dot for ultra fine dot placement. When configured with Clear, our 1150mm wide print width delivers 1400 dpi at high speed with remarkable color brilliance. Max print area (A2+) with an adjustable media height to 300mm (the highest in its class).

1150mm x 750mm (A0-) with an adjustable media height to 300mm (the highest height of any printer in its class). Speeds up to 300 inches and 50 feet per hour in quality mode. Each ink color is fed from a bulk ink tank for constant ink feed to the damper. All white ink is filtered with filtering by our patent pending WIMS (white ink maintenance) to eliminate white ink issues in general... low maintenance.



## Compress - do even more...

### One Pass white ink flood and overprint

Print colorful, bright images on transparent and colored substrates with white ink as a flood coating or overprint without slowing print speed.

### IQ Interweave onboard

Eliminate banding – a unique interweave allows less banding at lower resolutions. A new science in interweave printing.

### Roll/Sheet Capable

An optional roll media device allows paper, plastic and films – even light cardboard to be printed in max widths of 600/1130mm x 220mmO/D (76/30mm inner core. Non powered).

### Vacuum Bed

An optional vacuum bed for film, paper and light weight substrates is easily added to the iUV Series printers.

### Bottle Jig

An optional production oriented 2/4 up bottle jig snaps into place using a simple magnetic locator.

DUAL LAMP • WATER COOLED • 395 - 415Nm • LOW HEAT



OPTIONAL VACUUM BED



OPTIONAL BOTTLE JIG





# Specifications



## Printhead

On-demand inkjet (Micro Piezo)  
1440 nozzles. 3.5Nq-42Nq drop



## Resolution

Draft Modes: 360 x 360, 720 x 360  
Production Modes: 1440 x 720, 720 x 720dpi



## Colour

8 (Dual CMYK or 4\* White/Clear 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=Clear, W=White)



## Print Area/Bed Size

600s - 604mm x 450mm (24" x 17.7")  
Min: 37 x 26mm (1.5" x 1")  
Max media height: 300mm (11.8")  
Bed Size: 650mm x 450mm (25.6" x 17.7")  
1200s - 1137mm x 750mm (44.7" x 29.5")  
Min: 37 x 26mm (1.5" x 1")  
Max media height: 300mm (11.8")  
Bed Size: 1150mm x 750mm (45.3" x 29.5w")



## Drive

Processor driven conveyor with auto height registration



## Inks

Individual 250ml refillable ink tanks.  
Available with iUV LED pigmented UV-curable inks in  
500ml and 1000ml bottles



## Ink Delivery

Bottle - pressurised CYMK  
Bottle - pressurised re-circulation - white (WIMS)  
with filtration



## Operating System

Microsoft® Windows® XP or later  
RIP - Print Pro



## Electrical

AC 110-240V, 50-60Hz, 10A,  
Consumption - 55W or less, Standby - 5W, Off - 1W



## Physical Dimensions

600s - 1130(W) x 1200(H) x 1210(L)mm  
44.5"(W) x 47"(H) x 47.6"(L)  
Weight: 178kg (boxed weight will vary)  
1200s - 1305(W) x 1310(H) x 1810(L)mm  
51.4"(W) x 51.6"(H) x 71.3"(L)  
Weight: 310kg (boxed weight will vary)

## Print Speeds\*

Draft (360dpi ranges):  
@ 35m<sup>2</sup> (@376ft<sup>2</sup>)

Production (720dpi ranges):  
@ 12m<sup>2</sup> (@129ft<sup>2</sup>)

Quality (1440dpi ranges):  
@ 6m<sup>2</sup> (@64ft<sup>2</sup>)

\* Based on dual CMYK. Approximate figures  
dependent on graphics etc. and are a guide only.  
White and clear can lower production rates.  
Additional print modes supported within RIP. Print  
trials are recommended prior to purchase.



## Impression Technology Pty Ltd

### Aust Office

Unit 2, 1 Skyline Place  
Frenchs Forest, Australia

### Factory

39 Joon Koon Circle  
Jurong, Singapore

### UK Office

Sovereign House  
Sovereign Way, Mansfield

info@impressiotechnology.com

## CONTACT

www.com-press.net

BY IMPRESSION  
TECHNOLOGY



**UV LED Light Caution:** You are dealing with an LED UV light source that may harm your health. Do not look directly into the UV light source or expose your hand or any part of your body/skin directly to the UV LED light source. **UV Ink Caution:** LED UV inks contain mild skin irritants in their liquid form. Always wear safety goggles and gloves when handling the liquid LED UV ink. There may be some VOCs emitted from the uncured inks during and after the printing process that could slightly irritate the nose, eyes and throat. If the printer is running in a small confined area, the VOCs could build up and increase the irritation. Compress strongly recommends that the printer be operated in a well-ventilated area to keep the VOCs to a minimum. Print trials must be undertaken prior to production - no warranties, express or implied, are given in connection with the accuracy or completeness of any of the information contained herein. Specifications subject to change without notice. ComPress is a registered trade mark of Impression Technology Pty Ltd, Australia. All copyright reserved.