

UV-Cured Flatbed Printers at



FESPA 09 DIGITAL EUROPE



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Your only assurance that you have a complete and authentic evaluation which describes all aspects of the product under consideration, benefits as well as deficiencies, is to obtain these reports directly from FLAAR, via www.wide-format-printers.NET.

List of UV Printer Booths to Inspect at FESPA 09

UV Printers

- **Agfa Graphics**, G 90, **Anapurna M2 Agfa** :**Anapurna MV**, **Agfa** :**Anapurna MW**, no :**Anapurna XLS** at all
- **Bergstein**, J 111, flatbed based on Mimaki JF-1610 chassis but adapted.
- **Chimigraf Iberica**, H 140, **Keundo SupraQ 3300**, roll to roll only (no longer hybrid)
- **Durst**, Hall 1, D 20, **Rho 800HS**, twice number of heads, 80% faster **Durst Rho 500R** (new 5-meter roll to roll) **Durst Rho 1000** (most impressive printer at FESPA)
- **DYSS**, H 80, (but no longer with Planet Digital), **Apollo R220** , **Apollo RF250** UV flatbed.
- **EFI-Rastek**, A 20, **T660** dedicated flatbed, **EFI-Rastek H650**, new low-cost combo
- **EFI-VUTEK**, A 20, **GS5000r**, **VUTEK GS3200**, **VUTEK QS3200**
- **Flora**, J 160, **F1 250UV**, a somewhat new roll-to-roll UV printer.
- **Fujifilm Sericol**, D 30, **Fujifilm Acuity Advance HD2545 X2** (rebranded Oce Arizona 350 XT), **Fujifilm Acuity Advance HD 2545**, **Inca Spyder V**, **Inca Onset S20**
- **Gandinnovations**, A 40, **NanoJET II**, **Gandinnovations 3348UV JetSpeed**, Roll to roll, **Gandinnovations Jeti 2030-48**, flatbed with shell on top.
- **GCC**, C 120, **StellarJET 183UV**, hybrid. **GCC Stellar-JET K72UV**, new combo
- **Gerber**, B 30, **Solara ion²**,
- **GRAPO Technologies**, N 90, **Shark**, **GRAPO Octopus II KM8-720**, **GRAPO Manta KM8 720UV** (blue)**GRAPO Manta KMW 720UV** (black color)
- **Hanky**, A 101, **FB-200** tiny flatbed; not what was shown at SGIA '08
- **HP**, C70, E 90, **HP Scitex FB950** combo, **HP Scitex XP 5100** (not the NUR Revolution), **HP Scitex XP 2750**, **HP Scitex FB 6050** (NUR Tempo Q without roll-to-roll), **HP Scitex XP 2300**, at a local dealer's booth, **HP FB 7500** flatbed printer.
- **InkTec**, Hall 1, C 130, **Jetrix 3015FQ** (larger size)
- **IP&I**, Hall 7, M 50, **iCUBE 260uv** (new), booth of GMS Sign & Print **IP&I Cube** (model number not clear; but in addition to iCUBE)
- **Lotte InnoJet UV900**, in booth of IP&I, Hall 7, M 50
- **Matan**, H 30, **Barak5**
- **Meital**, Hall 4, J 52, **Meital 302**, dedicated flatbed, booth of M.T.L. Print
- **Mimaki**, B 70, C 65, **UJV-160**, **Mimaki JFX-1631**, **Mimaki UJF-605CII**, **Mimaki UJF-605R**
- **Mutoh Europe**, A 30, **Zephyr**
- **Neolt**, H 40, **Neolt X-JET**, hybrid **Neolt Superjet MR, 3200** roll to roll
- **Oce**, C 105, **Arizona 350 XT**
- **One Solution**, H 90, **Vega**, technical flatbed

UV Printers

- **Roland**, C 150, **LEC-300** roll-to-roll
- **SkyJet**, M 111, booth of Man Print & Sign BV, flatbed UV
- **Screen Europe**, B 140, **TruePress Jet650UV**, **Screen TruePress Jet2500UV**
- **Sun LLC**, P 60, **NEO UV-LED Evolution**, combo with LED curing.
- **SwissQprint**, P 50, **Oryx**, now with roll-to-roll added.
- **Teckwin**, H 50, **Teckstorm R**
- **Triangle Digital INX**, C40 **Milano**
- **WP Digital**, E 50, **Virtu RR50**
- **KonicaMinolta**, N 80, printheads and ink, only narrow format printers.
- **Sensient**, K 30, interesting UV-cured water-based inks; may have **ATPcolor textile printer** that uses these UV-textile inks
- **Dr. Hoenle AG**, D 48, (UV curing lamps),
- **Integration Technology** F 100, (UV curing lamps),
- **Xaar** (printheads), M 80

Cutters, Routers

- **XYZ**, P 78, CNC router (also at Teckwin)
- **EskoArtwork**, C 125, **Kongsberg XY cutters**
- **Gerber Scientific Products**, B 30,
- **i-Cut Vision**, K 84
- **Keencut**, H 60
- **Mecanumeric SA**, B 110
- **Zund**, C 28

UV Printers

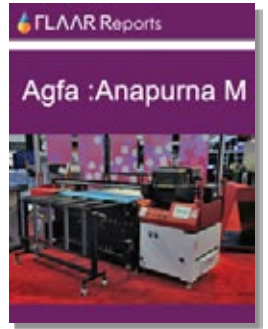
- Agfa Graphics



Agfa :Anapurna M2 printing some samples.



Agfa :Anapurna MV combo UV printer at Agfa booth.



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Agfa :Anapurna MW combo UV printer.

• Bergstein



Bergstein 1000 UV, flatbed based on Mimaki JF-1610 chassis but adapted.

• Chimigraf Iberica

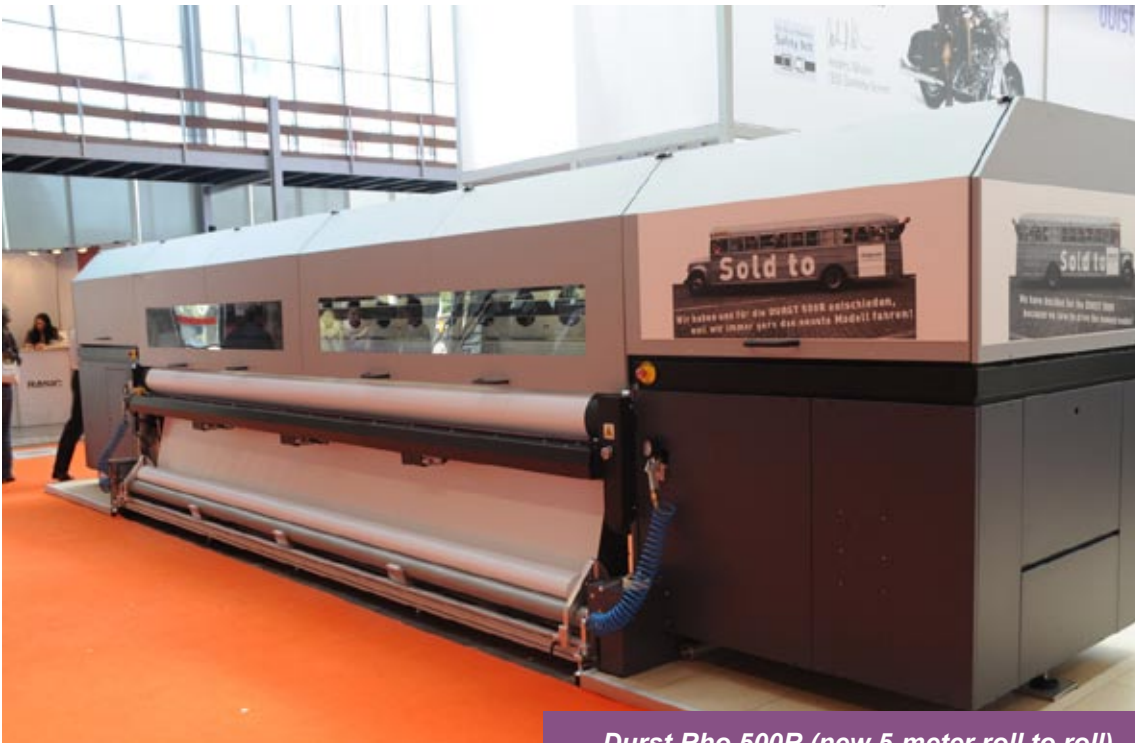


Keundo SupraQ 3300, roll to roll only (no longer hybrid) at Chimigraf booth.

• Durst



Durst Rho 800HS, twice number of heads, 80% faster.



Durst Rho 500R (new 5-meter roll to roll).



Printing Textiles, Vinyl & White Ink for Backlit

**Durst Rho 320R
UV Roll-to-Roll**



Flatbed & Roll-to-Roll
All in one UV Printer

Durst Rho 700

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Form



Durst Rho 1000 (most impressive printer at FESPA).

• DYSS



Apollo R220 combo UV printer.



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Apollo RF250 UV flatbed.


• **EFI-Rastek**



EFI-Rastek T660UV dedicated flatbed.

FLAAR Reports
Entry-Level Dedicated
Flatbed UV-Curable Printer

EFI Rastek T660

FLAAR Reports
Entry-Level Hybrid Printer

EFI Rastek H700

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EFI-Rastek H650, new low-cost combo.

• EFI-VUTEK



EFI-Vutek GS5000r roll-to-roll UV printer.



EFI-Vutek QS3200 combo UV printer.



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• Flora



Flora F1 250UV roll-to-roll UV printer.

• Fujifilm Sericol



Fujifilm Acuity Advance HD2545 X2 flatbed UV printer.



Fujifilm Acuity Advance HD 2545 flatbed UV printer.



Inca Spyder V flatbed UV printer.



Inca Onset S20 at SERICOL booth.

• Gandinnovations



FLAAR Reports
TRENDS
in 2009

Analysis One by One of the UV-cured printers at FESPA Digital Europe

The Nano II was not a real production model; only one or two prototypes were made. We explain why no more were made in our TRENDS reports



FLAAR Reports
Roll to Roll UV Printers
for Billboards & Banners
Gandinnovations Jeti
3348 UV JetSpeed

To order this
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Gandinnovations 3348UV JetSpeed roll-to-roll.



FLAAR Reports
Gandinnovations
UV-Flatbed Printers
JETi 3150 UV
JETi 1224, JETi 2030

To order this
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Gandinnovations Jeti 2030-48 flatbed UV printer.

• GCC



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GCC StellarJET 183UV-curable inkjet printer.



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GCC StellarJET K72UV, new combo.

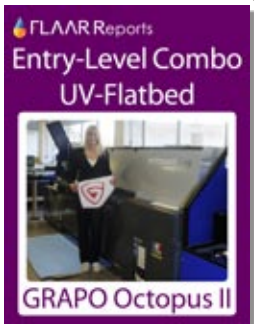
• Gerber



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Gerber Solara ion² flatbed printer.

• GRAPO Technologies



To get this **FREE**
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GRAPO Octopus II KM8-720 combo UV printer.



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GRAPO Manta KM8 720UV (blue) dedicated flatbed printer.



GRAPO Manta KMW 720UV (black color) dedicated flatbed printer.



Grapo shark combo UV printer.

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• Hanky



Hanky FB-200 tiny flatbed.

• HP



HP Scitex FB950 combo printer.



HP Scitex FB7500 flatbed printer this was shown at SGIA '09, as a prototype.



HP Scitex XP 5100 roll-to-roll UV printer.



HP Scitex XP 2750 roll-to-roll UV printer.



HP Scitex FB 6050 combo printer. Here you can see some printed samples.

• InkTec



InkTec Jetrix 3015FQ UV flatbed.

• IP&I



IP&I iCUBE 260uv



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• Matan



Matan Barak5 roll-to-roll UV printing some samples.

• Meital



Meital 302 flatbed printer is beta version of alpha stage Meital-3000 10 UV flatbed printer

• Mimaki



Mimaki UJV-160uv hybrid LED UV-cured flatbed printer.



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Mimaki JFX-1631 flatbed printer.



Mimaki UJF-605CII



Mimaki UJF-605R.

• Mutoh Europe



Mutoh Zephyr hybrid UV printer.

• Neolt



Neolt X-JET 2050 printing some samples.



Neolt Superjet MR 3200 roll-to-roll printer.

• One Solution



Vega technical flatbed; this has not yet appeared at any other trade show that I have attended since FESPA in May.

• Roland



FLAAR Reports
**Roland LED-UV
Curing & Varnish**
VersaUV Print&Cut
LEC-300

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Roland VersaUV LEC-300 printer.

• SkyJet



FLAAR Reports
**UV-cured
inkjet printer**

**SkyJet
Flatbed Printer**

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SkyJet Flat-bed Printer.

• Screen Europe



Screen TruePress Jet650UV.



Screen TruePress Jet2500UV.

• Sun LLC



NEO UV-LED Evolution, combo with LED curing.

• SwissQprint



Oryx, now with roll-to-roll added.

• Teckwin



FLAAR Reports
Flatbed UV Printer
Teckwin
TeckStorm

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Teckwin TeckStorm R adds roll-to-roll to UV-curable flatbed printer.

• Triangle Digital INX



Triangle Milano hybrid UV printer.

• WP Digital



WP Digital Virtu RR50, 5-meter roll-to-roll UV printer.

FLAAR Reports
**Learning about
UV-Curable R2R
& Flatbed Inkjet Printers**



By attending Open House
or InHouse events

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• KonicaMinolta



Konica Minolta booth, they showed their ink and prinheads and only narrow format printers.

• Sensient



Sensient booth, they showed a new printer from ATPcolor that uses an interesting UV-cured water-based textile ink.

• Dr. Hoenle AG



Dr. Hoenle AG UV lamps booth.

• Integration Technology



Integration Technology UV curing lamps.

• Xaar



XAAR printheads booth.

Cutters, Routers

• XYZ



At XYZ booth was showed CNC router (also at Teckwin).

• EskoArtwork



Kongsberg XY cutters at EskoArtwork booth.

• i-Cut Vision



Gerber Scientific Products



Keencut

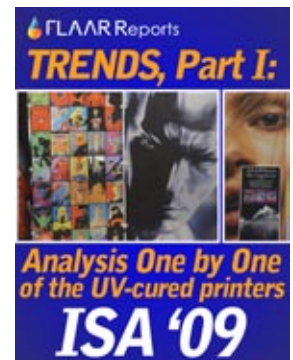
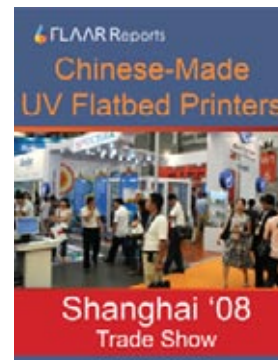
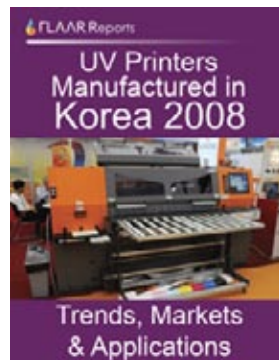


Note:

There is two more versions of this report:

- UV markets TRENDS observable at FESPA Digital Europe (can be ordered by credit card).
- Analysis one by one of the UV printers at FESPA Digital Europe (can be ordered by credit card).

These Trends reports are for FLAAR research sponsors as one of the services for these research sponsors. If you are not a research sponsor the full Trends version will be available, as are all Trends reports, from www.wide-format-printers.NET.



The Trends version have crucial information that is not on any of our web pages. Plus, if you purchase three or more Trends versions you can ask to receive a personal discussion by Dr Nicholas Hellmuth at the next opportunity. In other words, if you order the Trends reports, you get the written report plus you can ask questions about UV-curable flatbed and roll-to-roll Trends the next time you see Dr Hellmuth, or by Skype or by telephone with him directly.

The Trends version include comprehensive photographic coverage by the FLAAR staff: there will be four of the FLAAR staff at FESPA Digital 2009 (three in addition to Nicholas Hellmuth): one for UV; one for textile printers; one for Solvent printers.

You can ask for the price list of the TRENDS reports by e-mailing ReaderService@FLAAR.org

There will be separate FLAAR Reports on textile printers at FESPA, include a Trends version.

FLAAR Reports
Direct printing on Textiles

DigiFab StampaJet I-64

FLAAR Reports
Wide-Format Printer for Textiles Silk, Cotton, Polyester

Yuhan-Kimberly UJet MC3-Premium

FLAAR Reports
12 Colors, Fast, Wide-Format Print onto Silk, Cotton, Polyester

Yuhan-Kimberly Production Textile Printers

FLAAR Reports
Custom Wallpaper Digitally Printed

Yuhan-Kimberly UJET MC3 Express

FLAAR Reports
Direct Digital Printing on Fabrics with Wide Format Inkjets


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FLAAR Reports
Wide-Format Inkjet Printer for Textiles Yuhan-Kimberly UJET MC2


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Fabrics & Soft Signage

for Wide-Format Inkjet Printing

FLAAR Reports
Wide-Format Dye Sublimation Printer for Textiles

Gandinnovations Jeti 3324 AquaJet RTR

FLAAR Reports
VUTEk 3360
Solvent Printer & Dye Sublimation in One


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Complete Workflow for wide-format inkjet printing

Once you have a UV-curable flatbed, hybrid, combo, or roll-to-roll printer, there are several other components of the workflow that you need:

- RIP software
- an understanding of color management and ICC color profiles
- and an awareness of when and whether you need lamination or top coating

Every printer manufacturer will tend to say that the output with their inks do not require lamination....

- But what about floor graphics ?
- What about vehicle wrap ?

And what about covering over cure-banding and banding from feeding inaccuracy ?

- What about the fact that 75% of UV-cured printers can't produce gloss and some not even satin surface appearance?



Hmmm,

So now you know why FLAAR is evaluating liquid top-coating equipment and studying film laminators and liquid laminators. Indeed one of the several new staff that we hired is an experienced printshop operator with practice on VUTEk solvent printers and Seal brand liquid laminators.

Our first major research project is on the UV-cured liquid top coating system of Drytac. We found a printshop that had bought a the #1 leading brand of coater, found that it did not work to his expectations. So he looked around at several trade shows and then bought a Drytac UV coater.

FLAAR sent Dr Nicholas Hellmuth and one Technical Writer to inspect the liquid coating system, spending two days at the printshop in Illinois. The FLAAR Report is now coming out this week or next week.

So whether you print giclee, or décor, or signage of all sizes, shapes, and materials, you can now look forward to the FLAAR Reports bringing you innovative reports on more than just printers.

If you need information now (since the FLAAR Report will take another week or so to finish) you can contact Drytac for spec sheets and information on applications: toll free (USA) **1-800-975-6336**, Toll free Canada: **1-800-353-2883**

If from elsewhere in the world, write info@drytac.com

To see the FLAAR video on our inspection for the evaluation, [click here](#)



Here is the printer and coater operator, Jacob Duquenne. Notice that FLAAR actually makes printshop inspections and actually checks out how the equipment performs.

The print shop is a 6-hour round trip drive from the FLAAR office in St Louis, so it is relatively easy to reach. You can also download the FLAAR Reports on the other equipment at this printshop: Seiko ColorPainter H-104s.

And, while we were preparing the Seiko evaluation, we decided to issue a complete glossary on solvent printers: eco-, mild-, lite-, and bio-solvent.



Here is Nicholas interviewing the owner of the coater. Previously he had bought the biggest name brand, but their UV coater did not function adequately and he asked them to take it back. Then he spent time checking out every single other brand: he selected the one you see here.