

Wide Format Printers

Inks, media & substrates,
laminators and coaters

SGI
2013

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SGI Middle East 2013

Middle East Sign & Graphic Imaging Trade Show, Dubai

This photo essay is the first edition of many FLAAR Reports on the successful printer and electronic signage expo in Dubai; there are separate reports, which list every wide format printer (UV, solvent, textile, latex), flatbed cutter, media, inkjet ink and LED company at the 2013 expo.

The purpose of this initial FLAAR Report is to show the size and range of products at this impressive printer and graphics trade show. Plus our goal is to indicate that Dubai is a great place to visit: one of the most photogenic architectural cityscapes in the world.

Sign & Graphic Imaging (SGI) is the leading expo for signage and wide-format inkjet printing in the entire Middle East area. It is also worth noting that the 2013 expo here in Dubai was larger than even last year. Thus SGI is clearly the first signage and printer expo of international rank every year (since all other expos elsewhere are in February, March, later in the Spring, Summer, or Autumn).

FLAAR has been attending Sign Middle East expo in Dubai for many years. For the last several years FLAAR Reports has been serving as a consultant for the expo organizers, IEC. We provide our over one million readers around the world access to knowledge about the continued growth of SGI expo in Dubai, United Arab Emirates.

Abdul Rahman Falaknaz cuts the ribbon to open the 2013 expo. Sharif Rahman is behind to the right. Capable staff members of IEF are to the left (next to the flowers).



Sign & Graphic Imaging Middle East registration area.



Dubai World Trade Centre general view.



From left to right: Sharif Rahman (CEO, SGI International Expo-Consults), Abdul Rahman Falaknaz (Chairman, SGI International Expo-Consults). Behind: Ryan Crist, Lecturer and Consultant.



If a particular booth is not included in this edition, it is either because the booth was roped off the hour before the expo opened, or there was a food cart in front of the booth. Or, the photo of the booth is in one of the other editions.

We had a 17mm wide-angle lens and tried to take photos of the booths when there were no people (since people cause blurs in the photograph).



Sign & Graphic Imaging Middle East 2013 is the largest printer trade show in this part of the world. SGI Middle East really covers the entire Middle East (especially because Dubai is such a popular travel destination for shopping).

Workflow of wide-format printing: our focus for our printer reviews for 2013

Workflow is jargon for all the steps, and all the components of a production process, in this case producing signage or graphic images, indoor and outdoor, with wide-format inkjet printers.

The complete workflow that we evaluate here at FLAAR includes

- Artistic conception
- Graphic design
- Workflow for photography (if photos are needed for the final product)
- RIP Software + Color management
- Selection of Ink
- Selection of printer size, brand, and type
- Selection of media or substrate
- Selection of primer (if needed, for glass, ceramic, metal, etc)
- Finishing:
 - Lamination or coating
 - Trimming or cutting

Ten years ago printer expos had exhibits of digital cameras and scanners. A few printer expos have exhibits of color management. But today in 2013 a signage expo tends to focus itself on RIP software more than color management, and skips the design concepts to go directly to inks, printers, media & substrates. Primers are one step which should be added, and also coating, but a typical signage expo concentrates on

- Selection of Ink, increasingly after-market
- Selection of printer size, brand, and type
- Selection of media or substrate
- Finishing:
 - Lamination
 - Trimming or cutting

For traditional signage you also have CNC routers (for wood and plastics especially) and CO2 laser engravers (for plastics and related rigid materials).

So let's enter the spacious halls of SGI, Sign & Graphic Imaging, Dubai 2013 and experience all that we can learn through the FLAAR Reports. We thank the team at IEC the expo organizers, and ME Printer, leading magazine of this part of the world for providing hospitality. We thank Gandinnovations for bringing us to Dubai many years ago, and we appreciate the hospitality of Agfa Graphics; they had the same capable Dubai-area sales manager team from Gandinnovations for the first two years. Now, in 2013, we also thank the wide range of hospitable distributors and manufacturers throughout the Middle East.

Dynamic Digital Signage: LED screens and LCD monitors

Every signage expo in the world has a section for dynamic digital signage. Usually the booths show animated films such as Ice Age, or Shrek, or dancing Chinese singers in schoolgirl uniforms. I enjoy the animated movies and since digital signage is a growing industry, logically we at FLAAR are covering this trend.

My passion is studying wide-format inkjet printers, color management, RIP software, inks, media & substrates, laminators, and cutters. FLAAR has over 15 years experience and a million people a year read our various web sites on digital photography, printers for photographs, printers for signage, for CAD and GIS, signage and interior design, and the entire workflow for each application. But it is clear that dynamic digital signage is gradually becoming popular in malls, airports, and even as billboards. Even here in Guatemala, Central America, there is a bit more dynamic digital signage every year, especially at billboard size.

Thus it is logical for the FLAAR Reports to gradually move towards first studying, then evaluating, digital signage technology: both LED and LCD. It is also logical that these technologies will become more popular at SGI 2014 onward.

Manufacturers and distributors of large-format inkjet printers can actually profit from the slow trend to LED and LCD signage: the competition encourages more focus on using inkjet printing for applications far beyond normal signage. Thus we at FLAAR are adding a new focus on LED billboards and LCD monitors for electronic digital signage for 2013 onward.

Plus we have already begun to study, evaluate, and publish on industrial inkjet printing: especially on ceramic tiles, and on glass. FLAAR Reports already exist on both these topics

Here, in this FLAAR overview of Sign Middle East in Dubai, is the first time we have begun to list LED and LCD digital signage technology. We will do more at SGI 2014.



Shenzhen Chip Optech booth.





Here you can see Dr. Nicholas Helmuth and Paul Cripps (Managing Director, efi) at Saga Digital booth. We also visited with James Mellor, Sales Development Manager, Middle East and Africa, efi.

Two of us from FLAAR were there, plus Ryan Crist, who has worked with FLAAR on international projects before. In past years we tried to cover this expo with just one person, but since SGI Dubai is the first major printer expo of the year, we really need two people, so Pablo Martinez joined us.



Khaled Gamal (General Manager, SME) and Dr. Nicholas Hellmuth at System Middle East (SME) booth.



Pablo Martínez (FLAAR staff technical writer) reviewing different topics during the show. To handle an expo of this size (SGI Dubai, Sign Istanbul, and comparable) takes a minimum of two people.





UV-Cured Printers at SGI 2013

Even though LED signage shows promise for the future, our primary coverage is still wide-format inkjet printers: UV-cured, textiles, solvent, and water-based inks. So the major portion of this introduction to SGI 2013 in Dubai will be on wide-format inkjet printer workflow equipment.

To send a full color PDF as an e-mail attachment, the size limit has to remain under 5 MB. This is because many large corporations set a limit of how big a single file can be as an attachment to an incoming e-mail. So this PDF can only include photographs up to a certain number; the result is that we show about 20% of the booths in this report (another 75% we show in the many separate FLAAR Reports on each topic).

Since it is not feasible to show every booth in one PDF, here in this present PDF we show those booths where we know the printers in detail because the manufacturers have flown us to their factory. So we can show Rastek and VUTEk printers since I have been at the Rastek factory and at BOTH different VUTEk factories.

So it is not realistic to show every brand in this general survey of the trade show. If you wish to see every brand and know each model #, we have separate FLAAR Reports which you can purchase by writing FrontDesk 'at' FLAAR.org.

- List of all UV-cured Printers: brands, models, and comparative spec sheets
- List of all textile printers: brands and models
- List of all solvent printers: Eco-solvent, mild-, lite-, full-solvent, and DX printheaded printers
- List of all media and substrates
- List of all after-market third-party ink at SGI 2013
- Comprehensive annotated list of all Distributors for Dubai and the Middle East



Two of the efi distributors, EPM and Saga Digital, were present during the expo.

EPM exhibited the efi Rastek H652 running at their booth.

Every single UV-cured printer at SGI is listed and shown in a photograph in the separate FLAAR Reports. There we present all the Chinese brands. We have visited the Sky Air-Ship factory (twice), Teckwin factory (twice), and many other printer factories throughout China (neither of these companies had a booth at SGI, though one of their printers was present, rebranded, in the booth under a totally different name). For 2013 we would be interested in visiting three more UV-cured printer factories in China so we can write reports on these models.

In our TRENDS report we also list all brands of UV-cured printers, which were NOT present, and explain why (one European UV printer company filed last year for the equivalent of bankruptcy; another European UV-printer company had so much money evaporate that not enough went into R&D and marketing). For manufacturers and distributors it is crucial to learn why some brands were not able to get to the first international printer expo of 2013.



Saga Digital show pictures of the efi printers in their booth decoration.

Solvent printers

- Full solvent
- Mild- or lite-solvent
- Eco-solvent

Above are the primary classifications of solvent printer inks. In a separate FLAAR Report we list over 95% of the brands and even models of solvent printers of each category which were exhibited in this major Middle East sign expo. You can order this separate report by e-mailing FLAAR. This separate solvent printer report discusses the reality of the new Epson SureColor printers, plus how those printers affect market share of Mimaki, Roland, and Mutoh. We also cover trends in the TRENDS publication, so we provide a full range of helpful information about the reality of the solvent printer world in two additional full-color FLAAR Reports.

Not too many "bio" solvent printers have been popular enough to survive marketplace reality. SUV (solvent UV) is only available from Mimaki and is not yet a factor in market share (though it is one of my favorites of the new inks of 2012-2013). So I am really looking forward to seeing and learning more about SUV printers from Mimaki.



The STRATOJET Shark (in the booth of Helios) was interesting; I would need to visit the factory before I can write a FLAAR Report on this brand. However in advance I know that Sarabjit Singh Bedi of STRATECIC has plenty of experience with solvent printers.



JHF (Leopard)

It was nice to see JHF present at SGI 2013, in the booth of FLEX-EUROPA. Three of us from FLAAR were hosted to visit JHF factory and world headquarters north of Beijing last year (our team from FLAAR lived and worked in Beijing for a distributor for six weeks, editing the translation of their web site and providing graphic design assistance both for their web site and their sales catalogs).



Seiko II has a strong presence here in the Middle East, with two distributors. One distributor had a full range of models on exhibit, and even a "Neon Room" so you could see neon ink at its full vibrancy.

Seiko Infotech has a booth together with their Middle East distributor Graphic International Centre.



Abdul Rahman Falaknaz
(Chairman, SGI).

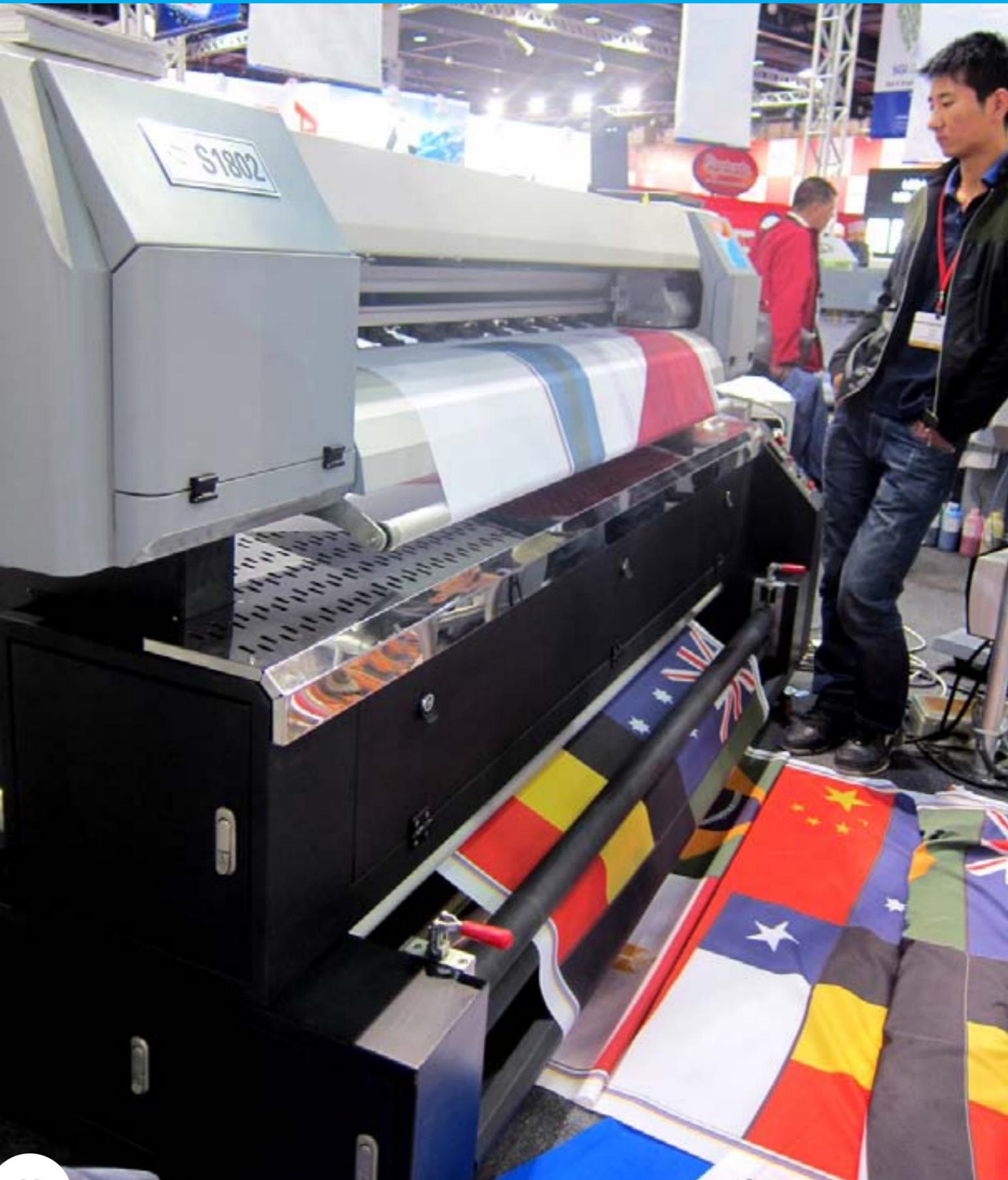
Sharif Rahman
(CEO, SGI).



Seiko Infotech Color Painter H2-104s.



CMYK is one of the Middle East distributors for Seiko II that was present at the show.

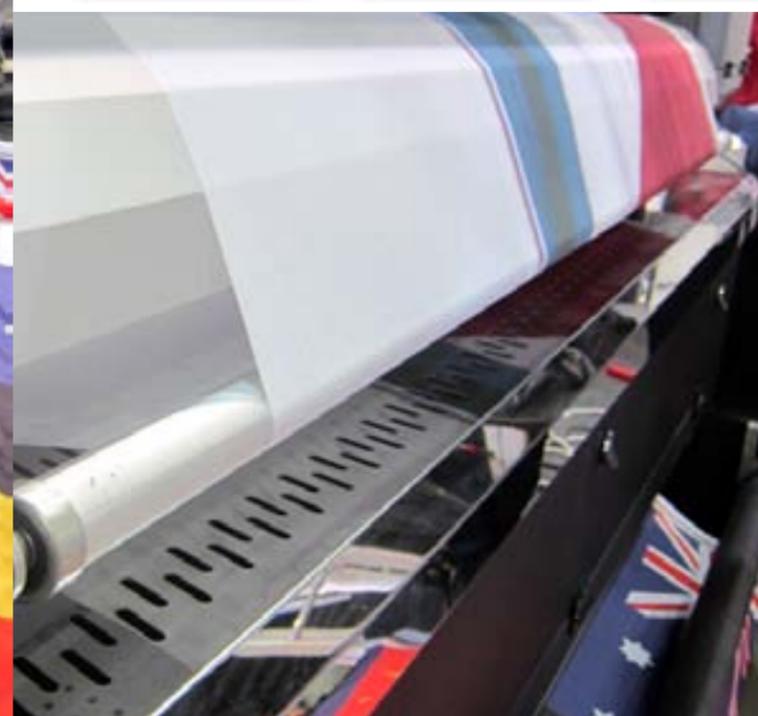


Zhongye S1802 textile printer at Zhongye booth.



Kala Calender-DS67 calendering machine at Graphic International booth.

<p>FLAAR Reports</p> <p>What trade magazines to subscribe to learn more about: printing on fabrics</p> <p>\$15</p>	<p>FLAAR Reports</p> <p>Heat Transfer Presses for Textile Printing</p> <p>Annotated list</p> <p>\$12</p>	<p>FLAAR Reports</p> <p>Applications for Wide-format printers</p> <p>for TEXTILE</p> <p>\$62</p>	<p>FLAAR Reports</p> <p>Which ink for printing on textiles?</p> <p>\$42</p>
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ColorJet CJ-Dhvaj textile printer.



Mimaki exhibited their JV400-160LX latex printer.

Latex Ink Printers

HP latex ink printers were exhibited both in the main booth of HP as well as in separate booths of distributors. An HP latex printer was also exhibited in a booth showing after-market latex ink from Sam Ink.

If you wish to learn about all aspects of HP latex printers, we recommend you attend the presentation by Rana Raychoudhury. He gives his presentation at most expos around the world. At his lecture you can learn more about the capabilities of the HP latex printer.

Mimaki latex printers have been carefully upgraded by Mimaki engineers and ink chemists since FESPA 2012 and DRUPA 2012. So the printer system today has evolved beyond what was launched at Fespa and Drupa last year. Until we can visit the Mimaki demo room and/or factory, plus visit end-users who have this printer at work out in the real world, it is not realistic to make further comments.



Water-based Printers at SGI 2013

Canon has the most models of water-based printers of any manufacturer. It was helpful to have a diverse set of models as samples of this kind of printer. HP has long ago moved to first Solvent (Scitex and NUR acquisitions) and then out of solvent into UV-cured and then latex (which is a form of solvent with water).

Ten years ago an Epson booth would be 100% water-based printers. Today 90% of an Epson booth is solvent-based printers.

Twelve years ago an HP booth would have been 100% water-based. Today it is 25 to 40% latex: 40% UV-cured, and only one or two water-based printers remain. So you can see how unique Canon is in the year 2013 with only water-based printers. Their "Canon outdoor printer" (a latex resin printer) has not been shown for three years. Their other non-water based has not yet been shown to the public. We list and discuss the non-water-based Canon printers in our TRENDS report (which you can order by requesting to be sent an invoice by FrontDesk@FLAAR.org).





Media & Substrates

There are at least three primary sources of media & substrates:

- Booths of the manufacturers (rare, Versidag is such an exception)
- Booths of local distributors (common)
- Booths of manufacturers in China (common)

We keep track of as much media and substrates as is realistic, but due to the sheer quantity of brands and kinds of substrates, this is a separate FLAAR Report. You can request this by asking to be invoiced via e-mail.

Noticeable absence of honeycomb sandwich material

The first two days I did not notice any honeycomb sandwich material. The final day I saw this material in one booth. Since the edge of the material was covered that was one reason I did not notice the exhibit the previous two days.

Noticeable lack of aluminum composite board material

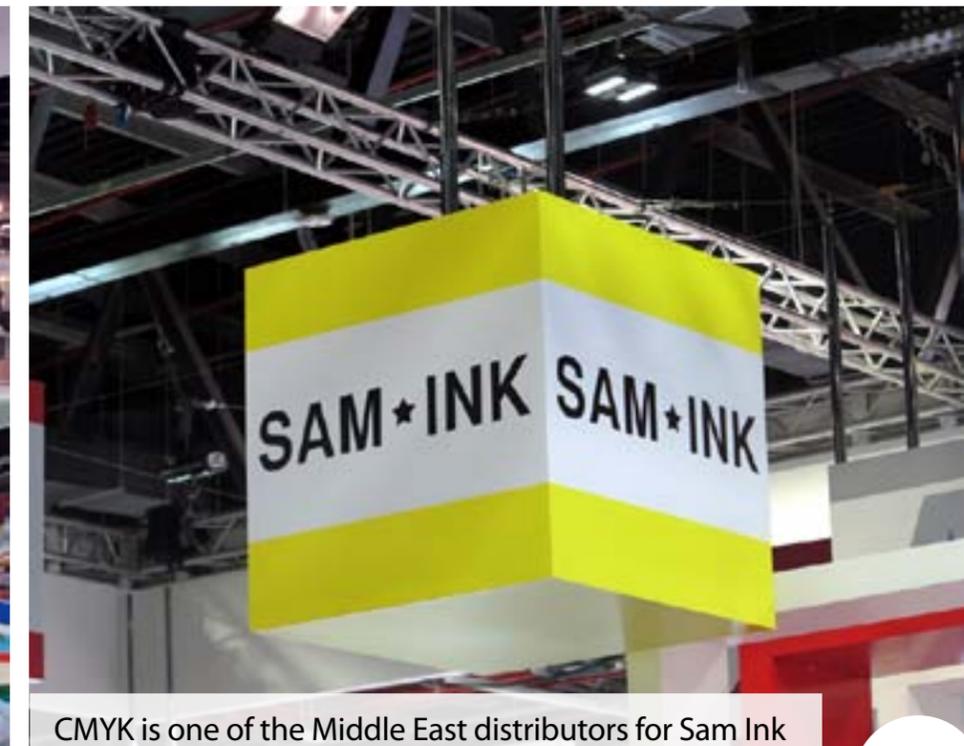
At Sign Istanbul a month ago there were more booths of aluminum composite material than I have seen elsewhere. Here in Dubai ACM was barely visible.





MJ International ink bottle samples. The team of capable managers and owner and partners in this booth were hospitable and knowledgeable about ink. I met key people (but lack their business cards). The individuals whose cards I have are Hassam Aboud, General Manager, Osama Zaem, Production Manager, Sami Asali, Regional Sales Manager, Samir Al Abed, Tech & QC Manager,

Sam Ink was exhibited by various of their distributors, one of them is Wellcare that showed SAM Ink cartridges and an HP DesignJet Z6100 using their ink.



Dr. Nicholas Hellmuth at STS Inks booth.

CMYK is one of the Middle East distributors for Sam Ink that was present at the show.

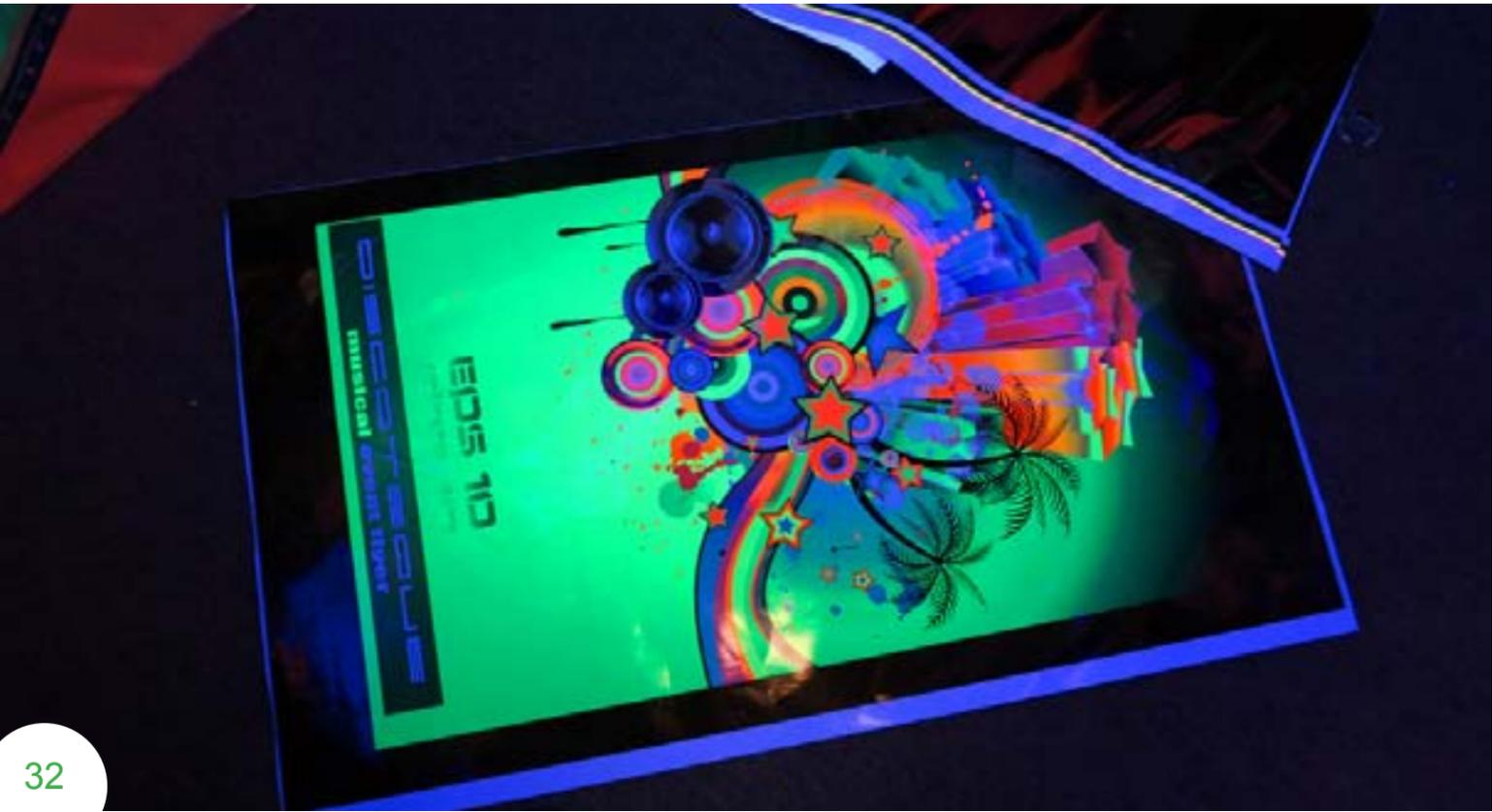


Neon Fluorescent Ink

I first saw the neon ink of Seiko II at drupa 2012 and then again at Reklama Moscow.

Seiko cleverly had an entire room with each wall decorated with fluorescent signs. The walls were black; the room was dark. The only light were the special lights that trigger the fluorescent effect of the ink.

The innovative Seiko ink is intended to be used in the model ColorPainter W-54s printer.



How do we learn about an ink? Or a media or Substrate? Or a printer?

There are over a hundred manufacturers of large-format inkjet inks around the world. We learn by being hosted to visit their ink factory, their headquarters, and to see the ink in action in their demo room.

We have enjoyed visiting ink factories in Switzerland (Sensient), Germany (Eckart), Russia (twice to an innovative ink manufacturer), USA (Triangle), Singapore (Sam Ink, twice), China (Inkwin, twice, Hongsam), India (AT Inks), Taiwan, Korea, and many other countries around the world.

In 2013 we hope to visit at least five more ink companies: only five. We prefer to focus on a select group of ink companies where we know their capabilities, know their owners and managers, and know their sales reps which we see at printer expos around the world.

For media and substrates, we have been in factories in many continents: to the Malaysia-USA joint partnership of Yeong Jeou, with their large successful factory in southern China: Aria is their brand of PE as a technical textile, coated for latex and solvent ink.

We would like to visit five factories of wide-format media and substrates during 2013 so we can create FLAAR Reports on canvas, PVC, backlit, wall covering material, and especially thick and flat materials such as printable boards, especially honeycomb sandwich material.



Dr. Nicholas Hellmuth and Grace Morales (FLAAR Technical Writer) at Inkwin factory visit.

To bring the FLAAR team to your company, anywhere in the world, contact FrontDesk@FLAAR.org. The team consists of Dr Hellmuth and an experienced graphic designer who has worked in the field of inkjet printers, inks, and media. These two do the evaluation and put together two reports: one on the company, and another PDF on the specific product line.

For wide-format inkjet printers, we are considering adding only a few more printer brands (to have dedicated FLAAR Reports evaluation and reviews for our over one million readers around the world). We are interested in UV-cured printers, solvent printers, textile printers, and latex printers.

FLAAR also covers flatbed covers, CNC routers, and for 2013 we will be adding coverage of LED electronic signage as well as LCD monitor signage.



Dr. Nicholas Hellmuth at Sam Ink factory visit.



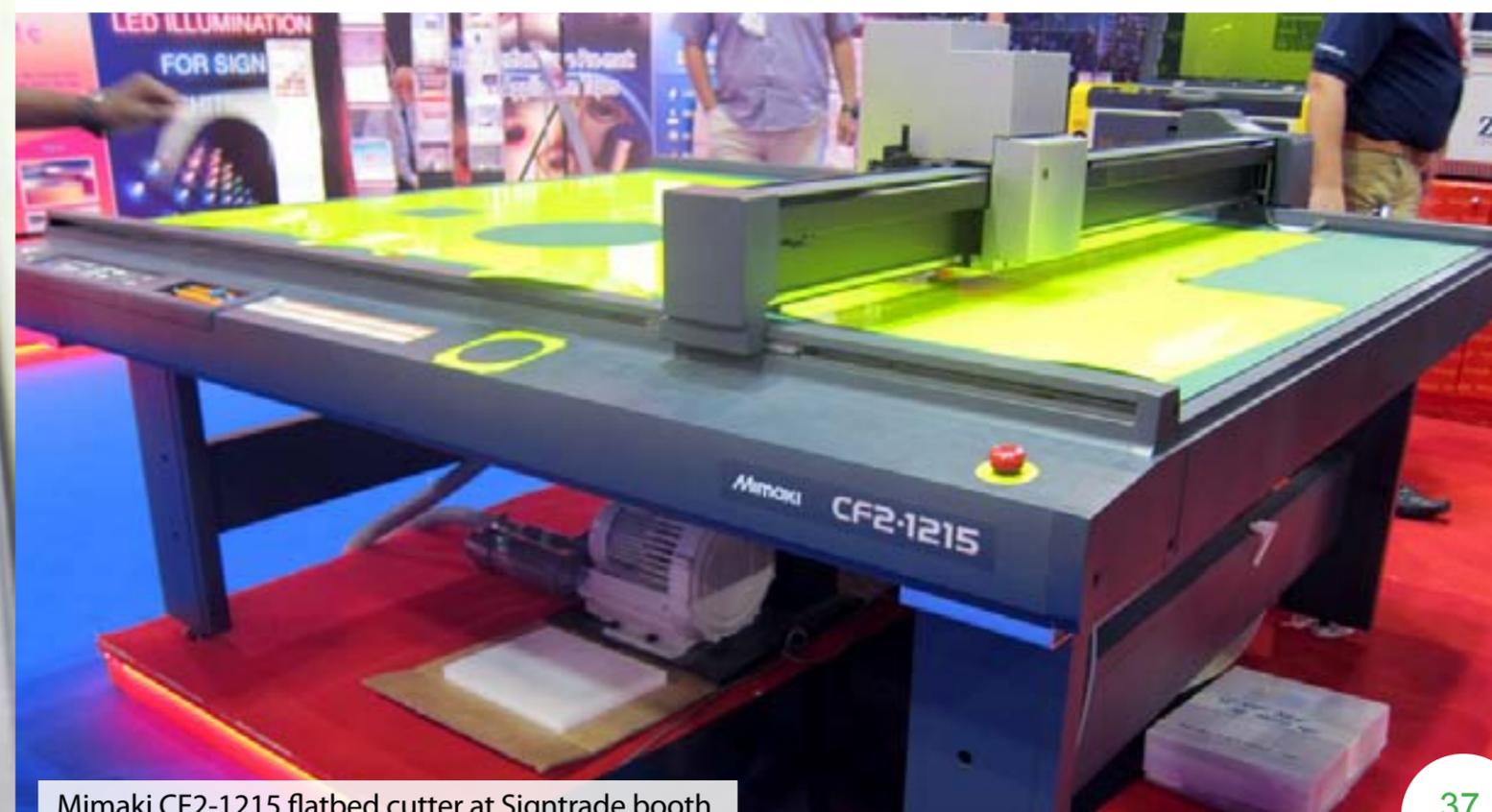
Dr. Nicholas Hellmuth at Yeong Jeou factory visit.



Flatbed cutters at SGI 2013
 Kongsberg and Zund were both present. Surprisingly the new flatbed cutter of Summa was conspicuously missing from the booth of the Summa distributor.
 EskoArtwork Kongsberg XN at Signtrade booth.



Zund G3 L-2500 flatbed cutter at Colour Byte booth.



Mimaki CF2-1215 flatbed cutter at Signtrade booth.

Distributors

To show photos and list every distributor at the expo in a general introduction would make the file size so large, so there is a separate PDF which lists at least the major 95% of the distributors at the expo. Since it is not realistic to show all distributor booths in the present publication. We show photos of those booths where the owners or managers invited us into their booth to get to know their products.

CMYK

We have visited the ink production facilities of Sam Ink in Singapore twice. Plus we have done site-visit case studies of their after-market latex ink. So we show the largest booth of their distributor in the Middle East, CMYK.

CMYK has capable management, including Mohamed Ghalayini, General Manager.

Digi Matrix

Digi Matrix is the larger of the distributors of Dilli. I have visited the Dilli factory in Korea and respect their engineering and manufacturing expertise.

EPM

I have visited both factories where efi RASTEK printers are made: one factory for roll to roll and combo transport belt Rastek printers. And I have visited the VUTEK factory in the USA several times. I spoke with Ihsan Salami, Business Development Manager and Sir Alfred Java III, Assistant Sales Manager. We appreciate the hospitality in the booths of the distributors here in the Middle East.

FLEX-EUROPA

They now exhibit JHF Leopard. The hospitable folks at JHF invited an entire FLAAR team to visit their factory and corporate headquarters outside.

Saga Digital

I list Saga Digital since I have known Abdallah Ghalayini (Managing Director) and Mehdi Berrada Baby, also Managing Director, for over six years (while they were at sequentially two other companies). They are knowledgeable for the entire Middle East and Africa as well.

Signtrade

This is the largest booth area every year.



CMYK booth.



Signtrade booth.

Trade Magazines & Trade Show Booths at SGI Dubai

It is gentlemanly when a trade show organizer (IEC of SGI, Dubai) is courteous and allows other trade show organizers to have their booth.

We at FLAAR respect competition (the normal understandable competition among trade shows around the world). But we also tend to notice when an organizer has been working year-by-year to build up their brand and therefore in 2012 and 2013 has a successful event. Precisely because of the world economic crisis, it is not always polite to crowd a country or a region with too many printer-signage expos. Thus our personal preference is to support the trade shows which are already well established. So we enjoyed seeing the booth of Sign Istanbul, as they have worked hard for many many years to build up a respected and popular signage expo in beautiful Istanbul.

Printer manufacturers and distributors also voice the same opinion "there are too many trade shows." This is one of many reasons, why, for the Middle East, we make the time and effort to send two of our staff + partner Ryan Crist (who worked for FLAAR ten years ago) to take notes in Dubai so our readers around the world could learn about this Dubai expo.



ME Printer magazine booth.



Kaizer booth.



Sign Istanbul booth.

We also are looking for trade shows in other parts of the world, to promote them in their local area. Thus we enjoyed seeing the booth of Kaizer Exhibitions & Conferences SDN. BHD. Of Malaysia, and we met with Belle Yam, Managing Director.

TechNova, a leading company in India, hosted a FLAAR visit to India about 14 years ago, and we enjoyed attending a trade show that year. I have also been in India to visit the factory and home office of AT Inks. We would enjoy returning to India to write about other trade shows in 2013 and 2014, so we are looking at possible venues and organizers.

For Europe our preference, and recommendation, has always been for FESPA Digital. We like, and have annual favorable FLAAR Reports, on every FESPA held in Europe. Plus we enjoyed attending FESPA Mexico when flown there in past years (it is a short flight to FESPA Mexico from our main office).



Lecture programs

FLAAR provided Dr. Nicholas Hellmuth for three lecture slots and also Ryan Crist. Ryan worked with FLAAR while Dr. Hellmuth was Visiting Research Professor and also Director of the wide-format technology center at Bowling Green State University. Ryan subsequently spent ten years in the wide-format printing world and now is an independent consultant. He has returned to join forces with former Professor Hellmuth to provide an educational program not previously available in Dubai.



Venue: Dubai, UAE

One of several reasons why SGI changed exhibit halls from the airport area expo center to the city center expo halls is so that visitors could be closer to the heart and soul of Dubai city. The World Trade Center is on the main Metro line, so is easy to get back and forth to the two world-famous shopping malls in Dubai.

Dubai is the Orlando, the Paris, the most popular goal of the Middle East. Dubai is safe and peaceful, day and night. Although Dubai is clearly not Las Vegas, the belly dancers of Dubai do a great performance at business dinners. Since at night I work on preparing the FLAAR Reports, I have not experienced the full panorama of night life in Dubai. However it is my understanding from speaking with other businessmen, that Dubai offers a "full range" of night life. Although I am too frugal to spend the evening partying, it is evident from what other people tell me that Dubai is a fun place at night.



Dubai Mall



Dubai is the shopping center of the world

Ironically it is shopping which is the #1 attraction which Dubai offers all the countries within a radius of a thousand kilometers. Shop, shop, shop. Every name-brand is available at every shopping center in Dubai.

- Mall of the Emirates (has indoor ski slope)
- Wafi Mall
- Mall of Arabia
- Lamcy Paza
- Souk Madinat Jumeirah
- The Dubai Mall

www.dubaicityinfo.com lists about 15 more malls! Plus there are plans to build "the biggest shopping mall in Dubai" soon. However the shopping malls that I have experienced so far are more than big enough.





Modern architecture of Dubai is stunning

To see spectacular modern architecture the cities of China are amazing. But the architecture of Dubai is also worth experiencing. All together there are so many remarkable modern buildings in Dubai that the skyline makes the visit memorable.

My family background is architecture, indeed the architectural firm founded by my father (HOK Architects) has an office in Dubai (and an office in Singapore, throughout China, and elsewhere around the world; their home office is St Louis, Missouri, where I grew up). I studied architectural sciences at Harvard (before switching to architectural history via archaeology). But today I very much enjoy seeing spectacular architecture.

The airport is your first image: probably larger than even the monstrous airport of Madrid. The Dubai airport rivals the airports of Beijing, Guangzhou, Shanghai: which are some of the most remarkable airport terminals in the world.

Whether by day, or night, the modern buildings of Dubai make the visit worthwhile.



Dubai is easy to reach by airplane

From USA there are direct, non-stop flights from Atlanta (Delta airlines). Obviously other airlines from the Americas also have flights to Dubai. From Europe even more flights are convenient.

From Turkey, Eastern Europe, the rest of the Middle East, Northern Africa and all the rest of Africa you can easily reach Dubai.

Now you can see why the Sign Middle East in a Dubai location is so popular

Dubai is clearly the perfect location for international visitors:

Easy to get to and from the airport

Easy to get around the city

Giant expo center, with hotels directly adjacent (so much better than Drupa in Duesseldorf)

Plus, it is a place you can bring your family, or your significant other (girlfriend or whomever you really enjoy traveling with).

Your spouse or girlfriend can enjoy shopping day and night while you are at the expo. Your kids will have plenty to do in all the entertainment centers associated with several of the malls. Plus a city tour will let your travel companion sample the diverse offerings of this remarkable city.

There are signage expos in other parts of the Middle East. But the Dubai expo (SGI) is clearly the largest of all. I myself would enjoy visiting signage expos in Jordan, Egypt, Lebanon, Saudi Arabia and other countries in the region, in part because of my interest in archaeology and civilizations of a thousand years ago. Plus I enjoy meeting and getting to know the local distributors and printshop owners and managers in those countries. But for an international focus, for sheer size and diversity of the full range of products, SGI, Sign & Graphic Imaging expo in Dubai is clearly the regional leader in the past, present, and in the foreseeable future.

We at FLAAR Reports will be sending our team to Sign Middle East, Dubai, 2014.



2012 UV Reports

2012 Textile Reports

YOU SAVE \$4,322

If bought **one by one:** \$12,968
If all bought **together:** \$8,646

Wide-format Textile Printers
SGIA 2012
\$2100

Textile Printers
ITMA ASIA TMA ASIA
TRENDS
ITMA ASIA + CITME 2012
\$2100

Wide-Format Printers:
at Graphics of the Americas 2012
\$120

Textile Printers
Sign Africa 2012
\$324

2012 Textile
Serigrafia Sign Future
Textile
Sao Paulo, Brazil
\$120

Textile Printers
FESPA 2012
\$1500

Textile Printers
spec sheets and comments
BSS 2012
\$324

Textile
Wide-format Printers
Sign China
Guangzhou 2012
\$220

Textile Printers
spec sheets and comments
Sign China, 2012
\$420

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Textile
Wide-format Printers
D-PES 2012
\$220

Textile Printer
TRENDS part 1
APPPEXPO 2012
\$3200

Textile Printer
TRENDS part 2
APPPEXPO 2012
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for printing
on textiles?
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fabrics
Which companies
make fabrics
which are inkjet
printable?
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YOU SAVE \$7,179

If bought **one by one:** \$21,544

If all bought **together:** \$14,365

Mid-sized
UV Cured
SGIA 2012
\$3200

UV Printer
TRENDS
Part II
SGIA 2012
\$3200

UV Comparison
ISA-FESPA-DRUPA
SGIA 2012
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UV, Solvent and Latex
Ink printers & Applicators
TRENDS 2012
Sign Africa
\$524

Chinese UV Printer
Expansion TRENDS
Part 1
\$5100

Chinese UV Printer
Expansion TRENDS
Part 2
\$5100

Chinese UV Printer
Expansion TRENDS
Part 3
\$5100

Chinese UV Companies
by Location
APPPEXPO
Shanghai 2012
\$2100

Led-curing
TRENDS
drupa 2012
\$1500

Structures in
UV-cured printer
TRENDS
drupa 2012
\$1500

Specialized
UV-cured,
Resin,
Solvent Ink
Printers
Part 1:
Desktop Printers
DRUPA 2012
\$120

Specialized
UV-cured,
Resin,
Solvent Ink
Printers
Part 2:
Large-format
DRUPA 2012
\$120

UV-cured printers
Exhibitor List
featured
at DRUPA
\$220

UV-Cured
Wide-format Printers
2012
Chinese Inventory
\$220

Wide-Format UV Printer
TRENDS Part I
ISA Sign Expo 2012
\$3200

Wide-Format UV Printer
TRENDS Parts 1 & 2
ISA Sign Expo 2012
\$3200

Wide-Format UV Printer
TRENDS Part I
FESPA Barcelona
2012
\$3200

Wide-Format UV Printer
TRENDS Part II
FESPA Barcelona
2012
\$3200

Wide Format
UV printers
Exhibitor List
Guangzhou
Sign China 2012
\$220

UV-Cured Printers
in China
D-PES Guangzhou 2012
\$320

Mid-range Production
Roll-to-Roll UV Printer
EFI R3225
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How to start your decision process
on which printer(s) to consider
Learn by visiting the factory
Learn directly from the source
FREE DOWNLOAD

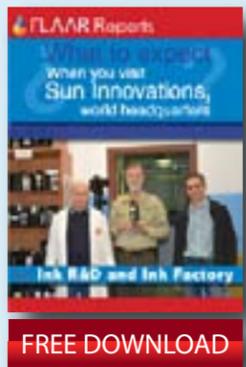
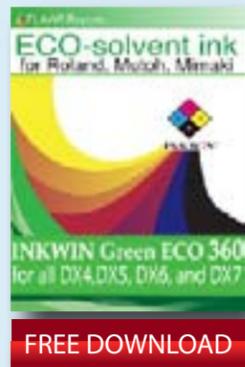
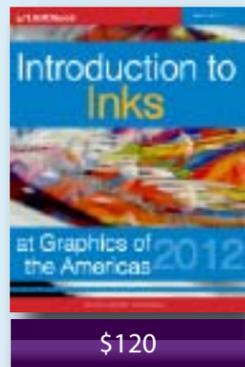
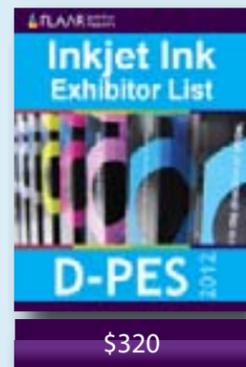
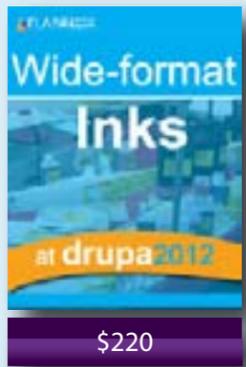
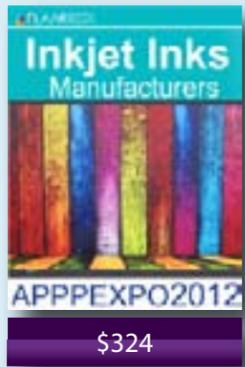
New, faster LED-curing
Combo-belt flatbed
NEO UV-LED TurboSpeed
developed by Sun Innovations
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Evaluation of a combi-belt flatbed
(moving transport belt flatbed)
NEO UV-LED Evolution
Center built up through R&D
FREE DOWNLOAD

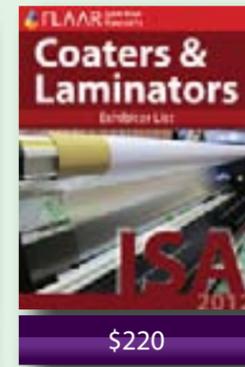
2012 Ink Reports

If bought
one by one: \$3,596
If all bought
together: \$2,500

**YOU
SAVE
\$1,096**



2012 Coaters & Laminators Reports



**YOU
SAVE
\$350**

If bought
one by one: \$780
If all bought
together: \$430

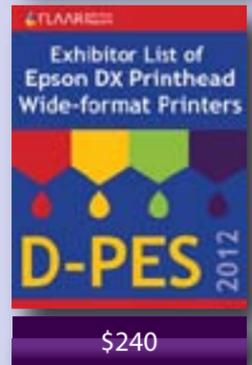
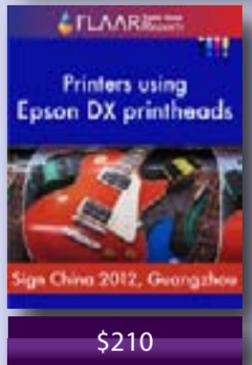
2012 Media Reports

**YOU
SAVE
\$828**

If bought
one by one: \$1668
If all bought
together: \$840



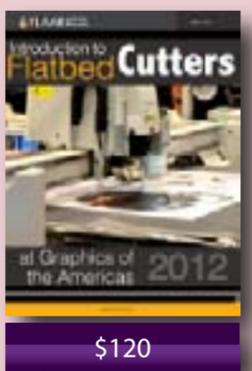
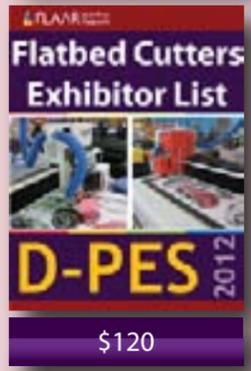
2012 Printheads Reports

 <p>Epson DX5 and Lexmark printheaded Printers Sign Africa 2012 \$324</p>	 <p>Printers using Epson DX Printheads part 1 APPPEXPO 2012 \$324</p>	 <p>Printers using Epson DX Printheads part 2 APPPEXPO 2012 \$324</p>
 <p>Exhibitor List of Epson DX Printhead Wide-format Printers D-PES 2012 \$240</p>	 <p>Printers using Epson DX printheads Sign China 2012, Guangzhou \$210</p>	 <p>Printhead Brands & Models for wide-format Inkjet Textile Printers DOWNLOAD</p>

YOU SAVE \$578

If bought one by one: \$1098
If all bought together: \$520

2012 CNC Reports

 <p>Flatbed Cutters Exhibitor List SGIA 2012 \$220</p>	 <p>Flatbed Cutters Exhibitor List APPPEXPO 2012 \$220</p>	 <p>Introduction to Flatbed Cutters at Graphics of the Americas 2012 \$120</p>
 <p>Flatbed Cutters Exhibitor List ISA 2012 \$220</p>	 <p>Flatbed Cutters Exhibitor List D-PES 2012 \$120</p>	 <p>Flatbed Cutters Exhibitor List DRUPA 2012 FREE DOWNLOAD</p>

YOU SAVE \$470

If bought one by one: \$900
If all bought together: \$430

2012 Solvent Reports

 <p>Solvent Printer Exhibitor List (and photos) Guangzhou Sign China 2012 \$220</p>	 <p>Solvent & Eco-Solvent Printers List D-PES 2012 \$120</p>
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2012 RIP Reports

 <p>RIP Software SGIA 2012 \$120</p>	 <p>RIP Software ISA 2012 \$120</p>	 <p>RIP Software DRUPA 2012 FREE DOWNLOAD</p>
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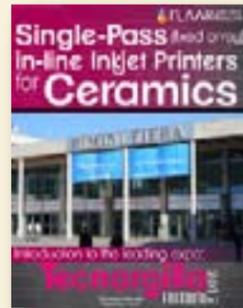
YOU SAVE \$100

If bought one by one: \$240
If all bought together: \$140

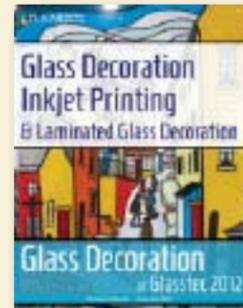
2012 Color Management, MIS, Toner and Components

 <p>Color Management DRUPA 2012 \$220</p>	 <p>Workflow Software MIS Software at drupa 2012 \$220</p>	 <p>(wide-format) Toner printers at DRUPA \$220</p>	 <p>Components for wide-format inkjet printers DRUPA 2012 \$120</p>
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2012 Trade Show Reports



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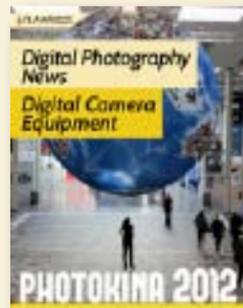
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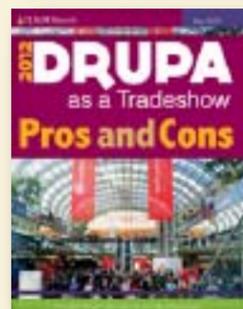
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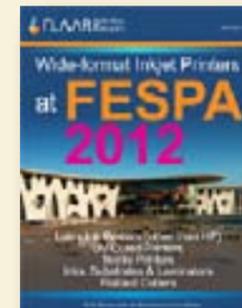


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2012 Trade Show Reports



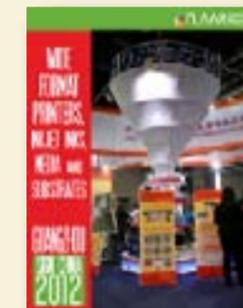
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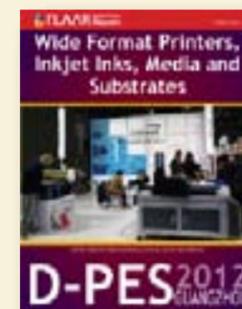
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\$120



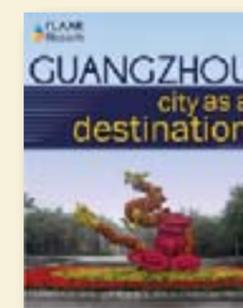
\$120



\$120



\$120



\$375



\$375