



2021 Premier **PRINT Awards**

Honoring this year's winners of the PRINTING United Alliance's competition, the industry's most prestigious award of recognition, celebrating the best in print communication.

PRINTING UNITED ALLIANCE

The Savings: Discounts on event registrations and access to members-only webinars

- Digital Textile Printing Conference, Durham, NC (December 8 – 9)
- Color Conference, La Jolla, CA (January 22 – 25, 2022)
- Exclusive access to PRINTING United Alliance's "Ask-The-Expert" Members-Only Webinar Series
- Free Full Access + Education Passes to the PRINTING United Expo, Las Vegas, NV (October 19 – 21, 2022)

The Solutions: Human Resources Support

A resource for any printing business, let PRINTING United Alliance's Center for Human Resources guide you in the critical functions of tracking and interpreting national labor laws, regulatory mandates and even assisting with the sticky day-to-day employee management issues. Save time and peace of mind through this resource.

Contact PRINTING United Alliance Membership for more information on what an Alliance Membership can do for you and your business.

The Facts: Members-Only Quarterly Research Reports

PRINTING United Alliance's Quarterly Research reports allow printers to measure their businesses against the competition and make informed decisions about growth, equipment purchases and capital investment decisions, workforce development and more. Learn about the winning strategies through these comprehensive members-only reports.

The Compliance: Navigate OSHA and EHS

Navigating OSHA regulations on both a State and Federal level has become more important, and perhaps more complicated than ever. PRINTING United Alliance helps members traverse the confusing state of health and safety parameters by offering expert OSHA, Safety and Health resources and advice.

The Recognition: Awards Programs

Be a part of PRINTING United Alliance's prestigious Premier PRINT Awards and receive special members-only discounts on your award submissions.

The Staff: Exclusive Access to our Industry Experts

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- Joe Marin, Senior Vice President, Education & Training
- Bill Pope, Vice President, Technical Services
- Ray Weiss, Director, Digital Programs

The Green: Stay Safe & Sustainable

Printers are focused on staying economically and physically healthy, and PRINTING United Alliance is here to support members in that effort. From recycling initiatives, sustainable procurement practices, and updates in the field of energy, the Alliance stays focused on keeping members apprised on a circular economy that benefits people, the planet, and profit.

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Published by the PRINTING United Alliance
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PRINTING UNITED ALLIANCE IS PROUD TO HONOR THE PREMIER PRINT AWARD WINNERS FOR 2021.

A great printer is more than just a company that produces a product. A great printer is a master of their craft. A client's design always serves to set the foundation of a great print, but it is the printer's careful selection of materials and tools, fine attention to detail, technical application, and impeccable craftsmanship that sets an exceptional print apart from others.

As you explore the 2021 Premier PRINT Award winners on the pages that follow, you will find that pieces have been produced by some of the top skilled printing companies from around the world. To be worthy of a Premier PRINT Award Best of Category Award, Printed Product of the Year Award, or Best of Show Award, entries must be innovative and impeccable. Year after year, the fine quality and painstaking detail of the printed pieces submitted into the competition have wowed the judges of this competition. With the advent of new technologies and resources, the bar is constantly raised to even greater heights, making the selection process all the more challenging — and exciting!

About The Premier PRINT Awards

Keeping in step with the new PRINTING United Alliance is the refreshed Premier PRINT Awards competition honoring the very best in the industry. By bringing together the best of all the historic awards, including the Print Industries of America (PIA) Benny Awards, Specialty Graphic Imaging Association's (SGIA) Golden Image Awards, *Printing Impressions'* Gold Ink Awards, and *Packaging Impressions'* Excellence Awards, we have created one all-inclusive awards program that recognizes excellence in quality, creativity, and innovation across all print market segments.

PRINTING United Alliance represents the entire print community, and the Premier PRINT Awards reflects that by recognizing great work industry-wide. Categories were created to showcase all the major printing processes, encompassing all the print communities including:

- Flexography
- Gravure
- Screen printing
- Offset printing
- All areas of digital printing
- Wide-format printing
- Postpress and finishing
- Specialty printing
- Awards for high school and post-secondary schools

Although both members and nonmembers are eligible to enter the awards, PRINTING United Alliance members receive a 15% discount on every entry. There's also a quantity discount — the more you enter, the more you'll save. For more information and to participate in 2022, visit premierprint.printing.org.

Best of Show

This entry from Body of Work and Armstrong Miller & McLaren was named this year's Best of Show winner, presented by PRINTING United Alliance. It stood out at the beginning of the competition and was a "unanimous decision" among the judges.



BOOK-SHEETFED OFFSET

OFFSET LITHOGRAPHY PRINTED PRODUCT OF THE YEAR

BEST OF SHOW

PRINTER: Body of Work and Armstrong Miller & McLaren
Sydney, New South Wales, Australia

[Body of Work Endless Journey](#)

[Body of Work's Endless Journey portrait book/catalog.](#)

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Our creative director/photographer is hands on from the original concept to completion. All equipment from camera to printing are linked with the same calibration ensuring what is seen in the camera is identical to what is achieved in the final product.

PREPRESS NOTES: All the challenges are addressed before the printer's prepress.

PREPRESS EQUIPMENT: Heidelberg Prinect and Kodak Prinergy

PRINTING PRESSWORK NOTES: The entire job was proofed and such was the quality of the prepress no changes were necessary.

PRINTING PRESSWORK EQUIPMENT: Heidelberg Speedmaster CD74

POSTPRESS FINISHING NOTES: The cover and dust jacket were sculpture embossed.

POSTPRESS FINISHING EQUIPMENT: Heidelberg SupraSetter

PAPER/SUBSTRATE/MEDIA: Sappi McCoy Silk

JUDGES' COMMENTS: In a tough category, this was a unanimous decision. We couldn't get over the rich blacks. It stood out from the beginning with hundreds of books. A good artistic eye put this together. They did what they set out to do. Phenomenal job! A lot of craftsmanship and work went into this. This was a large category and the judges narrowed it down to the top nine choices saying it was a crime to have to choose only one. I don't usually go for glossy prints but this piece blew me away. The blacks are just outstanding.

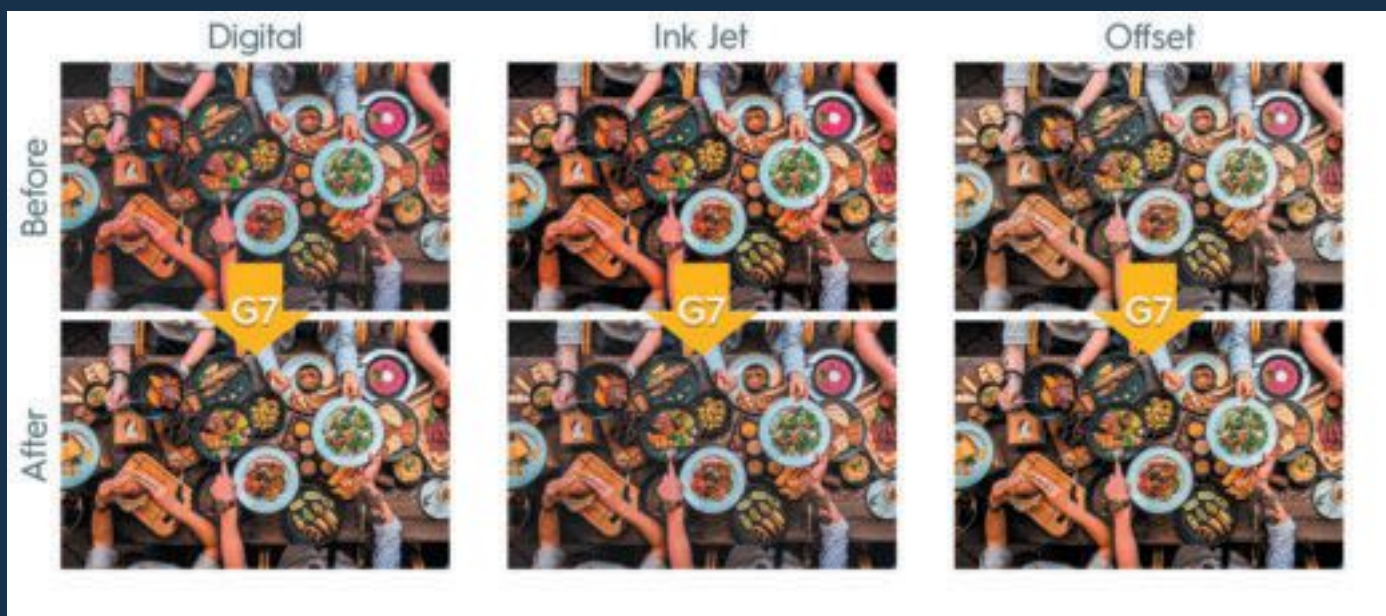




The industry's leading set of specifications for achieving gray-balance and visual similarity across all print processes.

Achieve print consistency across your entire print workflow with G7

If you're an Offset, Digital, Wide-Format, Flexo, Gravure, Screen, or Dye-Sub printer, G7® will align your print production from job to job, across your shop, or amongst multiple facilities.



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G7 Experts are globally recognized leaders in color management and the leading G7 print calibration methodology.

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FLEXOGRAPHY

LABELS: PRESSURE SENSITIVE AND CUT & STACK

WINNER

PRINTER: McDowell Label
Plano, Texas

Delicious Chocolate

Oxy Whey Delicious Chocolate

PREPRESS EQUIPMENT: Dupont

PRINTING PRESSWORK EQUIPMENT: Gallus

PAPER/SUBSTRATE/MEDIA: Raflatac

JUDGES' COMMENTS: Extremely well-printed highlights on a difficult substrate. Good use of textured inks.



SHRINK SLEEVES

WINNER

PRINTER: Overnight Labels Inc.
Deer Park, New York

Moroccan Midnight

Flexo printed nine colors and UV screen printed shrink sleeve.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Because this job had to run on two presses, there were significant registration challenges. Achieving the correct copper color was a challenge because the color target was a prototype of a different substrate. Also challenging was printing a smooth gradation of the orange and pink. To enhance the look and feel, a silkscreen UV was applied, which added to the complexity of the printing process.

PREPRESS EQUIPMENT NOTES: Mac

PRINTING PRESSWORK EQUIPMENT: 10-color Nilpeter and eight-color Nilpeter with silkscreen unit (SPG Prints)

POSTPRESS FINISHING NOTES: Timely and careful seaming, cutting, and handling due to the unique design.

POSTPRESS FINISHING EQUIPMENT: Karlville seamer and cutter

PAPER/SUBSTRATE/MEDIA: 50 micron PETG film from Klockner

JUDGES' COMMENTS: Well reproduced, fine highlight dots



PREPRINT LINERBOARD

WINNER

PRINTER: International Paper Indianapolis Preprint
Indianapolis, Indiana

Boston Beer Sips of Summer

Craft beer twelve 12 fl. oz. mixed pack bottle box.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Registration across an 84" web with a 72 3/8" repeat.

PREPRESS NOTES: Tight color tolerances and tight registration tolerances.

PREPRESS EQUIPMENT: Esko Workflow, GMG proofing system

PRINTING PRESSWORK NOTES: 117ls, .016" traps, Dupont DPL plates, and water-based inks

PRINTING PRESSWORK EQUIPMENT: Fischer & Krecke 98" Eight Color + Two Varnish Stations

PAPER/SUBSTRATE/MEDIA: Kemi

JUDGES' COMMENTS: Crisp imagery. Good registration.



POST/DIRECT PRINT CORRUGATED

WINNER

PRINTER: Peachtree Packaging and Display
Lawrenceville, Georgia

Loco Cookers - Peanut Oil Box

The entry is a box used to hold three gallons of peanut oil. The customer, Loco Cookers, came to us with a need to upgrade their packaging. They were a new vendor to Lowe's and wanted to see if it was possible to create a package that would be eye-catching and highlight the prominent floor space they were getting in store. Our ability to direct print in high detail allowed them to make huge strides graphically with their presentation and also be as efficient as possible with the price and output.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Printing food flexographically is very challenging to do and make it look good. We have become very good at this process and continue to perfect it daily using the technology and equipment we have. The structure and shape of this box made it a little more difficult to work with as well.

PREPRESS NOTES: With this box, we had a simulated process, so we had to use PMS colors instead of the typical CMYK. This is all done in pre-press and was done in order to keep it four color on our press.

PREPRESS EQUIPMENT: Esko Art Pro+

PRINTING PRESSWORK NOTES: Typical issues that were dealt with were warped board issues. This problem is especially difficult when direct printing. We did a six out layout and the print and register were handled automatically using the technology we have with our Gopfert press.

PRINTING PRESSWORK EQUIPMENT: Gopfert HBL dual diecutting press

POSTPRESS FINISHING NOTES: This box required a folding and gluing. Due to the shape the boxes were hard to "spank" square so it required a very technical and detailed set up on the folder/gluer

POSTPRESS FINISHING EQUIPMENT: Post 2m specialty folder gluer

PAPER/SUBSTRATE/MEDIA: 200 B Kemi/40# med/Sustainable

JUDGES' COMMENTS: The degree of difficulty was head and shoulders above the other entries.



FLEXIBLE PACKAGING AND SHRINK SLEEVES

WINNER

GRAVURE PRINTED PRODUCT OF THE YEAR AWARD

PRINTER: Shanghai Jiucheng Packing Co., Ltd.
Pudong, Shanghai, China

Beilingpu Shuangpin Cat Food (large package) with Special Layout and Bag Making Technology

This series of products adopts different bag making methods, and the products have a good visual impact after canning. The size of the bag is too big, and needs a special bag making machine and special typesetting method.

PREPRESS NOTES: When confirming the manuscript with the customer, we clarify the customer's needs and clearly mark in the plate making process.

PREPRESS EQUIPMENT: Epson 7910

PRINTING PRESSWORK NOTES: Printing controls the color darkness and ink viscosity during the production process.

JUDGES' COMMENTS: A lot of shelf pop. The faux stamp effect is great! This piece has shelf pop with the foil-like print. The registration and spot gloss coating are perfect. This is technically innovative packaging with the sealer.



PAPERBOARD/FOLDING CARTON

WINNER

PRINTER: Leo Paper Products Ltd.
Kowloon, Hong Kong

XO FO 2020 Experience Offer
For Hennessy XO 70ml/75ml packing

PREPRESS NOTES: Stamping process

PREPRESS EQUIPMENT: HP Indigo 7900

PRINTING PRESSWORK NOTES: Green Ink/Unique Stamping Technology

PRINTING PRESSWORK EQUIPMENT: 9C Machine

JUDGES' COMMENTS: Wow, the deboss is excellent. It is worth mentioning the fine line emboss and stamp. This piece is really holding the details. It is flawlessly put together.



MULTICOLOR (NON-PROCESS) GARMENTS

WINNER

PRINTER: Night Owls
Houston, Texas

Craig Gleason - Bad Guys Sun

This is a four-color discharge print of an original drawing from artist Craig Gleason.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: This job required us to layer discharge inks on top of one another to blend and create different colors. The difficulty was in testing the opacity of the discharge inks to make sure they would layer and provide the correct colors once printed and fully discharged.

PREPRESS NOTES: This was separated in house by Valerie Solomon to allow the discharge inks to layer correctly. We had to test different layering of the colors to ensure we printed discharge colors in the correct order.

PRINTING PRESSWORK NOTES: This was printed on a Roq 16/36 oval press. Screens were made with a Kiwo XTS wax system. All inks are Fujifilm/Sericol Discharge inks, printed through Saati Hidro 157/48 mesh, on roller frames.

JUDGES' COMMENTS: The registration and vibrancy of the piece are excellent.



MULTICOLOR (TRUE PROCESS) GARMENTS

WINNER

PRINTER: Night Owls
Houston, Texas

The Paragon Project

The Paragon Project T-shirt was printed for an organization that works with musicians, artists, and poets. We were recommended to this particular client, as they did not want a DTG print, and were having difficulty printing this design. They were told this particular design could not be printed.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Most shops would have run this as a DTG, but with its order size, and complexity, we wanted to give it a shot screen printed. Aside from it being a complex print, Night Owls only prints with water-based ink. So that extra layer made it even more challenging.

PREPRESS NOTES: This project combined a few interesting challenges. We wanted to reduce screen count and simplify on-press production while retaining an enviable amount of detail and color accuracy. To reduce color count, we manually separated red, yellow, cyan, blue, and magenta ... creating greens by applying a separated green channel to yellow and cyan. A 55LPI amplitude-modified dot allowed for a reasonable amount of detail within the illustration, while maintaining exceptional on-press control. With some areas in the illustration narrowing to under 0.5" wide, our separation balanced form and function, production-ease and detail. Screens were made with Spyder III Wax unit. Exposed with Olec Metal Halide Unit.

PRINTING PRESSWORK NOTES: It's a 10-color front, five-color back, and 2-color sleeves. All printed with Matsui high solid acrylic water based ink. All art was separated in house, and printed on Roq automatic presses. All screens were Saati Hidro Mesh.

PRINTING PRESSWORK EQUIPMENT: Roq 16/36 Oval automatic press.

JUDGES' COMMENTS: This piece is in really good registration.



SCREEN PRINTING

SPECIAL EFFECTS-TEXTILE

WINNER

PRINTER: FiberLok Technologies, Inc.
Fort Collins, Colorado

Warrior Foundation Freedom Station

This multi-colored flocked heat transfer visually captures the honor and solemn prestige of an organization that assists and supports the military men and women who have so bravely served and sacrificed for our country.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The flocked grey-scale photo-effect creates the fine details desired by the customer. ASD was unable to recreate this logo using embroidery or screen printing to their customer's satisfaction, so by using LexTraPrint, ASD was able deliver a finished product with the black and white photo effect and maintain the fine details in the image to win this competitive branding program.

PREPRESS NOTES: A common challenge is using a customer-supplied image and having production artists meet the required manufacturing specifications without greatly altering or sacrificing the integrity of the original design. In this case, maintaining the fine details and established photo-effect in the final product. Each color used in a flocked design requires its own screen to be produced and particular attention is paid to getting photo effects to translate appropriately to colored sections.

PREPRESS EQUIPMENT: Artwork done in Adobe Creative Suite on PC

PRINTING PRESSWORK NOTES: Multiple screens are created based on the number of colors within a design using emulsion for each layer. Design screens have applied bond and those with prominent colors, or particularly contrasting hues, often are run through our press multiple times to maintain clear lines and sufficient color depth.

PRINTING PRESSWORK EQUIPMENT: Processed on an MHM Synchroprint 3000

POSTPRESS FINISHING: Final product is backed with adhesive and cut in cell sheets for final application by the customer.

POSTPRESS FINISHING EQUIPMENT: Modified Heidelberg cylinder press with custom cutting boards to maximize yield and cost effectiveness.

PAPER/SUBSTRATE/MEDIA: .75mm nylon flock fibers

JUDGES' COMMENTS: It was hard to decide the winner here, but this piece held the detail well.



PRINTED ELECTRONICS

WINNER

PRINTER: Shenzhen International Color Printing Co., Ltd
Longhua Zone, Shenzhen, Guangdong, China

Bedside Lamp

Prints that integrate printing technology and IT technology.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: New technology and manufacturing process.

PREPRESS NOTES: Printed on the Epson Stylus Pro 9910 HD machine. The paper is imported rice paper. Color reduction is very realistic. Even the Heidelberg CP could not achieve this effect.

PREPRESS EQUIPMENT: Epson Pro 9910 HD

PRINTING PRESSWORK NOTES: Color surface paper with high definition digital printing. Color saturation is gorgeous.

PRINTING PRESSWORK EQUIPMENT: Printed on the Epson Stylus Pro 9910 HD machine

POSTPRESS FINISHING NOTES: Imported ironing paper from Japan makes the light softer. Digital printing on special paper and PET screen printing on cylinder lamp cover skillfully combine printing technology with IT electronic Bluetooth, charging, and adjustable light source by using hot and convex surface paper or colored surface paper according to cylinder box process.

POSTPRESS FINISHING EQUIPMENT: Bora 115 paper cutting machine, Ya Hua diecutting machine, MBO folding machine

PAPER/SUBSTRATE/MEDIA: 1150G Japanese imported paper, 80GAA rice paper

JUDGES' COMMENTS: This piece illuminated the judges' hearts. Nicely done.



FINE ART

SCREEN PRINTING PRINTED PRODUCT OF THE YEAR AWARD

PRINTER: Student Entry - Yi Chen

Shanghai, China

POPULAR STORIES OF CHINESE HISTORY RUBBING

Brick carving (painting) is based on popular stories of Chinese history (from Pangu to today). There are more than 500 people in each historical stage, including hundreds of scenes, buildings, mountains, and rivers. From the humanistic point of view, the work collects the classic stories of science and technology, education, politics, military, medicine, literature, art, religion, nationality, marketplace, folk custom, foreign exchange, and so on. The form is long scroll, the composition is freehand brushwork of the Yangtze River, symbolizing the long river of history, the carving technique adopts the combination of deep and shallow relief, and the binding is album.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The blue brick is carved by hand and the rubbing is printed by hand.

PREPRESS NOTES: PS design, green brick carving

PREPRESS EQUIPMENT: Electric grinder

PRINTING PRESSWORK NOTES: Rubbings on green bricks

PRINTING PRESSWORK EQUIPMENT: Tuobao, brush, ink, and wool felt

POSTPRESS FINISHING NOTES: Rice paper mounting

PAPER/SUBSTRATE/MEDIA: Rice paper

JUDGES' COMMENTS: The delicacy of screen printing on rice paper makes this art an absolute treasure! The detail in this piece is amazing, truly fine art. The combination of the hand work, production, and paper make for a flawlessly executed piece.



GLASS, CERAMIC, METAL, AND WOOD PRODUCTS

WINNER

PRINTER: Stechcol Ceramic Crafts Development (Shenzhen) Co., Ltd.
Shenzhen, Guangdong, China

"Magnificent Scene" Porcelain Engraving

Kenya's Lake Megadi features a high PH value up to 11-12. That, combined with the sun, can turn the lake water temperature up to 50 degrees Celsius. High temperature saline water and the volcanic ash's chemical reaction makes forms a thin layer of mysterious color crystal on the water. When wind comes, it forms magical colorful ribbons. With flamingos flying over it, the lake becomes a magnificent scene.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: By using Stechcol color enamels patent technology, and using Ferro ceramic pigments Very skillful spot-color separation, using the best ceramic pigments to create this artwork. It took three times firing to make it.

PREPRESS NOTES: Seven-color process plus spot color

PREPRESS EQUIPMENT: Laser phototypesetting machine, Japan CTS technology

PRINTING PRESSWORK NOTES: More than 20 years of skillful technical person to print this artwork, make sure each step is precise and perfect.

PRINTING PRESSWORK EQUIPMENT: Heidelberg

POSTPRESS FINISHING NOTES: Select the best quality porcelain tile to decorate.

JUDGES' COMMENTS: This is a crazy good piece. It could have won in the artwork category.



OFFSET LITHOGRAPHY

MAGAZINE-WEB OFFSET

WINNER

PRINTER: Jacaty + Associates
Fort Lauderdale, Florida

VENICE Fort Lauderdale's Magazine

City & Lifestyle Magazine

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Web printing on matte stock with an extremely tight timeframe.

PREPRESS NOTES: Prepress adjustments were made for web printing on matte stock

PREPRESS EQUIPMENT: Kodak Prinergy/InSite

PRINTING PRESSWORK NOTES: 4/4 Process + Soft Touch on Outside Covers Only

PRINTING PRESSWORK EQUIPMENT: Heidelberg M500 (Text) + KBA Rapida 106 (Cover)

POSTPRESS FINISHING NOTES: Die Score Covers and Perfect Bind

POSTPRESS FINISHING EQUIPMENT: Kolbus

PAPER/SUBSTRATE/MEDIA: 120# Opus Dull Cover + 80# Influence Matte Text

JUDGES' COMMENTS: Nice soft touch cover, matte interior. Great print quality. It pops! Excellent flesh tones, vibrant color. The color balance is good.



MAGAZINE-SHEETFED OFFSET

WINNER

PRINTER: Emirates Printing Press
Dubai, United Arab Emirates

VILLA 88 JUNE '21

High quality Fashion magazine "Villa88," printed by Emirates Printing Press, Dubai.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Four-color printing on the sheetfed offset for inside pages with cover with gloss aqua varnish throughout for inside pages and also for IFC & IBC + Matte lamination and Spot UV on outer cover.

PREPRESS NOTES: 200 line screen used processed with FOGRA 39 /CMYK ISO COATED V2 - The European Standard Profile

PREPRESS EQUIPMENT: GMG color server and ink optimizer, Kodak Prinergy Workflow, Kodak Trendsetter CTP

PRINTING PRESSWORK NOTES: Four-color sheetfed offset printing

PRINTING PRESSWORK EQUIPMENT: Heidelberg Speedmaster XL-106 LX3

POSTPRESS FINISHING: Perfect Binding

PAPER/SUBSTRATE/MEDIA: 115 gsm art gloss/350 gsm art card

JUDGES' COMMENTS: I was pleasantly surprised when I opened this piece. The vibrancy and pop in colors. The nice square binding. The good cross page registration. What a nice piece.



BOOK-WEB OFFSET

WINNER

PRINTER: 1010 Printing International Ltd.
Huizhou, Guangdong, China

Maximalist Style (Everything)

A case bound book.

PRINTING PRESSWORK EQUIPMENT: Heidelberg 4C

POSTPRESS FINISHING NOTES: Case: 4c (process color) + matte lamination + spot gloss UV + debossing on front. Book block: three edges with 1c gilding (metallic green).

POSTPRESS FINISHING EQUIPMENT: Case bound: Kolbus BF530

PAPER/SUBSTRATE/MEDIA: Text: 140g OJI Top Kote Matte Art paper

JUDGES' COMMENTS: Head and shoulders above the rest of the category. There were images on every page, as compared to books of just black and white text. The crossovers were good. Overall a clean piece.



BOOK-SHEETFEED OFFSET

OFFSET LITHOGRAPHY PRINTED PRODUCT OF THE YEAR

BEST OF SHOW

PRINTER: Body of Work and Armstrong Miller & McLaren
Sydney, New South Wales, Australia

Body of Work Endless Journey

[Body of Work's Endless Journey portrait book/catalog.](#)

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Our creative director/photographer is hands on from the original concept to completion. All equipment from camera to printing are linked with the same calibration ensuring what is seen in the camera is identical to what is achieved in the final product.

PREPRESS NOTES: All the challenges are addressed before the printer's prepress.

PREPRESS EQUIPMENT: Heidelberg Prinect and Kodak Prinergy

PRINTING PRESSWORK NOTES: The entire job was proofed and such was the quality of the prepress no changes were necessary.

PRINTING PRESSWORK EQUIPMENT: Heidelberg Speedmaster CD74

POSTPRESS FINISHING NOTES: The cover and dust jacket were sculpture embossed.

POSTPRESS FINISHING EQUIPMENT: Heidelberg Suprasetter

PAPER/SUBSTRATE/MEDIA: Sappi McCoy Silk

JUDGES' COMMENTS: In a tough category, this was a unanimous decision. We couldn't get over the rich blacks. It stood out from the beginning with hundreds of books. A good artistic eye put this together. They did what they set out to do. Phenomenal job! A lot of craftsmanship and work went into this. This was a large category and the judges narrowed it down to the top nine choices saying it was a crime to have to choose only one. I don't usually go for glossy prints but this piece blew me away. The blacks are just outstanding.



CATALOG-WEB OFFSET

WINNER

PRINTER: Jacaty + Associates
Fort Lauderdale, Florida

STONE GLACIER 2021

[Outdoor/hunting apparel & accessories catalog.](#)

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Web printing on matte stock with an extremely tight timeframe

PREPRESS NOTES: Prepress adjustments were made for web printing on matte stock.

PREPRESS EQUIPMENT: Kodak Prinergy/InSite

PRINTING PRESSWORK NOTES: 4/4 Process + Satin Aqueous on Outside Covers Only

PRINTING PRESSWORK EQUIPMENT: Heidelberg M500 / Komori Lithrone G40

POSTPRESS FINISHING NOTES: Perfect Bind

POSTPRESS FINISHING EQUIPMENT: Kolbus

PAPER/SUBSTRATE/MEDIA: 80# Opus Dull Cover + 70# Influence Matte Text

JUDGES' COMMENTS: I hate to love this piece. Impressed with the complicated neutral color matching and the product color consistency from page to page. This is a really difficult job to do and they were spot on.



OFFSET LITHOGRAPHY

CATALOG-SHEETFED OFFSET

WINNER

PRINTER: C & C Joint Printing Co., (H.K.) Ltd.
Tai Po, New Territories, Hong Kong

Baoji catalog

Five-color printing on high quality matte art paper.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Wide tonal range and high definition images.

PREPRESS EQUIPMENT: Kodak Prinergy, SCREEN PT-R8900S

PRINTING PRESSWORK NOTES: Wide tonal range and high definition images.

PRINTING PRESSWORK EQUIPMENT: KBA

POSTPRESS FINISHING EQUIPMENT: KOLBUS

PAPER/SUBSTRATE/MEDIA: Golden Sun FSC Mix Credit Matte art paper

JUDGES' COMMENTS: The precision of the printing is like the precision of the time pieces displayed in this entry.



BROCHURE

WINNER

PRINTER: C & C Joint Printing Co., (H.K.) Ltd.
Tai Po, New Territories, Hong Kong

Auto Book Set

The set is made up of three hardback books and posters and a display box with several car brand logos.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Three hardback books and posters and a display box with several car brand logos

PREPRESS EQUIPMENT: Kodak Prinergy, SCREEN PT-R8900S

PRINTING PRESSWORK EQUIPMENT: Heidelberg

POSTPRESS FINISHING NOTES: Three hardback books and posters and a display box with several car brand logos

POSTPRESS FINISHING EQUIPMENT: KOLBUS

PAPER/SUBSTRATE/MEDIA: SpaceShuttle A matte art paper

JUDGES' COMMENTS: After getting past the impressive weight of the kit, the whole aspect is beautiful and elegant. It is rich but not overstated. The recreation of the car badges is over the top. The three volume book is exquisitely printed. Like the brand, it wreaks of distinction.



CALENDAR

WINNER

PRINTER: Red & Blue Color Printing Co., Ltd.
Zhonghe Dist., New Taipei City, Taiwan

National Palace Museum 2021 Calendar

The National Palace Museum 2021 calendar uses a special lightweight design to convey profound annual blessings. The production process is diverse, including silver cover UV printing, inner pages perforating, box cover with imitation wood texture, and many others.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The success of this project comes from two major factors: The first is the prints can convey the essence of the ancient paintings. The second is the precise craftsmanship of each operation gives this product a high-quality feel.

PREPRESS NOTES: Accurate color management. The color performance of this product is highly loyal to the original.

PREPRESS EQUIPMENT: Kodak Prinergy workflow + Epson SureColor SC-P9000 Proof-er (Compose Express RIP) + Kodak Trendsetter Platesetter

PRINTING PRESSWORK NOTES: Calendar cover: UV 4/0 + white ink printing.

Inside pages: 4/0 printing.

Box cover: 1/0 PMS printing.

Sleeve: 2/0 PMS printing.

Bag: 5/0 printing.

PRINTING PRESSWORK EQUIPMENT: Calendar cover: Komori LS 640+LX. All others: Heidelberg Speedmaster CX 102-5+L

POSTPRESS FINISHING NOTES:

Calendar cover: Dull coating.

Inside pages: Perforating.

Box cover: Anti-scratch coating, stamping, and scoring.

Box: F flute corrugating, diecutting, gluing, and forming.

Binding: Wire binding with hanger.

Others: Bag making, component assembling.

POSTPRESS FINISHING EQUIPMENT: Coating, perforating, calendar binding, corrugating, diecutting and gluing machines

PAPER/SUBSTRATE/MEDIA: Cover: MetsäBoard Pro FBB Bright 230gsm C1S, mounted on silver paper. Inside pages: Hankuk X-Pri 180gsm art paper. Box: 360gsm art card. Box cover: 480gsm fine art card. Sleeve: 130gsm fine art paper. Bag: 250gsm C1S art card

JUDGES' COMMENTS: This is a technically well done piece. It is functional yet artistic. The white ink is nicely used.



STATIONERY PACKAGE

WINNER

PRINTER: Body of Work and Armstrong Miller & McLaren
Sydney, New South Wales, Australia

2021 Body of Work Stationery Package

The package consists of envelope, 4pp letterhead, and business card with envelope. This stationery package has been designed to be personalized. The letterhead is four pages. When there is a single page letter (as sample) the letter is on page 1 and the business card envelope is attached to page 3 with the business card inside. In the event of a two-page letter, the second page is on the inside back cover with the business card underneath. If the second page is full length, the business card is attached to page 4. For a multipage, a loose page, or pages that are inserted behind page one, a long letter can be saddle stitched.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: What makes this package unique is the creative flair.

PREPRESS NOTES: There were no technical challenges

PREPRESS EQUIPMENT: Canon

PRINTING PRESSWORK NOTES: There were no technical challenges

PRINTING PRESSWORK EQUIPMENT: Canon imagePRESS C800

POSTPRESS FINISHING NOTES: Diecut and embossed

POSTPRESS FINISHING EQUIPMENT: Conventional binding equipment

PAPER/SUBSTRATE/MEDIA: Stardream

JUDGES' COMMENTS: The embossing is fantastic. The way it is done to not show on the back side of the sheet is interesting. The double thick stock has flawless lamination. The hairline embossing and fine detail are very well done.



OFFSET LITHOGRAPHY

INVITATION/GREETING CARD

WINNER

PRINTER: Leo Paper Products Ltd.
Kowloon, Hong Kong

Leo Paper Group Annual Report - Invitation Card (2020)

The 2020 Leo Paper Group Annual Announcement invitation card uses complex layers of pop-up design to create a scenery of sunflower garden, sublimated by a bronze hot stamping on flowers make it even more attractive. The envelope uses a unique sunflower diecut design to create a unique and three-dimensional effect.

PRINTING PRESSWORK EQUIPMENT: Komori

JUDGES' COMMENTS: This piece could have won in multiple categories. It had flawless hot stamp and emboss. The pop up 3D print is beautiful.



POCKET FOLDERS/PRESENTATION FOLDERS

WINNER

PRINTER: C & C Joint Printing Co., (H.K.) Ltd.
Tai Po, New Territories, Hong Kong

My Greeting Card Organizer

Combining multiple folders in book form in which the cards can be placed by time.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Unique binding mode

PREPRESS EQUIPMENT: Kodak Prinergy, SCREEN PT-R8900S

PRINTING PRESSWORK EQUIPMENT: Heidelberg

POSTPRESS FINISHING NOTES: Unique binding mode

POSTPRESS FINISHING EQUIPMENT: Hand made

PAPER/SUBSTRATE/MEDIA: Golden Sun woodpaper

JUDGES' COMMENTS: This is a well constructed and put together piece. The stamping is clean.



PACKAGING-LABELS

WINNER

PRINTER: Multi-Color Corporation North America Wine & Spirits
Napa, California

Namo

Pressure-sensitive label for wine bottle

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Printing on black vellum can always be a challenge. Hot foil over vellum with three-color process overprinting to achieve the assortment of colors desired by the client.

PREPRESS NOTES: 20 micron stochastic line screening over the foil stamping.

PREPRESS EQUIPMENT: Kodak Trendsetter / AGFA processor

PRINTING PRESSWORK NOTES: Printed UV offset. Black vellum, hot foil, Magenta, Yellow, and Black overprinting, flexo varnish, sculpted flatbed embossing, and flat diecutting.

PRINTING PRESSWORK EQUIPMENT: Gallus TCS250

PAPER/SUBSTRATE/MEDIA: Avery Black Vellum

JUDGES' COMMENTS: This was tough to choose just one winner, as there were lots of fantastic pieces. In an extremely difficult category this piece stood out for the fine detail, embossing, and registration. Appreciated the cleanliness of the execution.



OFFSET LITHOGRAPHY

PACKAGING-FOLDING CARTON

WINNER

PRINTER: Shanghai Young Sun Printing Co. Ltd
Pudong, Shanghai, China

Huaxizi Ya - Porcelain Soulmate Gift Box

1. The patented structure of the linked pull gift box is used. The bottom ribbon is used to open the gift box while the upper cover automatically slides in. The upper cut edge and the inner box form a vase shape, showing the lining and the inner box with flowers and makeup patterns.
2. The cut of the outer box adopts the hemming process, and the spot color oil edge ink is applied to echo the gold edge of the box surface; it is covered with an anti-scratch film to prevent scratches.
3. The outer box is printed on silver cardboard, and the pattern is outlined by the embossing process, which fits the attributes of the product's red glaze porcelain.
4. There is a small lipstick box inside, which adopts a double box flip structure to enhance the fun to use.

PREPRESS NOTES: Used Adobe Illustrator for graphic processing, Esko automated process for graphic and text color separation and screen, amplitude modulation dots to control graphic gradation, and AGFA AVALON A8T platemaking machine directly CTP publishing.

PREPRESS EQUIPMENT: AGFA AVALON A8T

PRINTING PRESSWORK NOTES: UV printing, printing metallic ink on bright silver card, simulating the metallic luster of red glaze porcelain

PRINTING PRESSWORK EQUIPMENT: Manroland 707+V

POSTPRESS FINISHING NOTES: The gift box face paper is covered with anti-scratch film. Embossing and diecutting are produced online. The inner box is produced by an automatic box folding machine and the envelope is pasted using environmentally friendly glue and piping.

POSTPRESS FINISHING EQUIPMENT: FM1100 high-precision laminating machine, Bobst 106ER full stripping diecutting machine ZK-582 box folding machine

JUDGES' COMMENTS: Rigid box effect with diecuts, embossing with two separate boxes inside that align. It has very interesting engineering. This is a very complicated piece.



DIGITAL PRINTING

DIGITAL PRINTING (HIGH-SPEED INKJET AND ELECTROPHOTOGRAPHY)

PACKAGING

WINNER

PRINTER: Multi Color Corporation Australia
Mile End South, South Australia, Australia

House of Muck

Wine label

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Screen Image & CMYK

PREPRESS EQUIPMENT: Apple Mac, Esko & Illustrator

PRINTING PRESSWORK NOTES: Printed on uncoated stock, CMYK, a rose gold foil, a matte varnish, plus a screen H/Build '125W' mesh and a spot matte varnish. Challenge - Screen image restoration and consistency of CMYK colors.

PRINTING PRESSWORK EQUIPMENT: HP Indigo WS 6600 & Digicon

POSTPRESS FINISHING EQUIPMENT: Rotoflex - Conversion

PAPER/SUBSTRATE/MEDIA: Rafwine Chateau Enhanced - Raflatac

JUDGES' COMMENTS: This piece is the perfect marriage of print, hot stamp, raised polymer, and enhancement.



DIGITAL PRINTING

SPECIAL COLORS, WHITE TONER, CLEAR TONER

WINNER

PRINTER: Xerox
Webster, New York

Pulp Madness

Pulp Madness is a collection of prints that showcases the wide range of application possibilities using the Xerox iGen 5 Press production capabilities including 5th station embellishments, specialty substrates, and an extensive media range. It includes a bound book, an extended sheet book cover jacket and a protective folding carton carrying case.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The iGen 5 supports white, clear, fluorescent yellow embellishments, plus orange, green, and blue extended gamut colors to reach 93% of the Pantone Plus Library. Thick stock up to 24 point and extended XLS sheet size up to 35" are also used.

PREPRESS NOTES: The Fiery DFE and iGen 5 in-line profiling quickly profiles media and ensures colors are accurate and consistent across the print runs from print 1 to N across the vast array of media used in the book

PREPRESS EQUIPMENT: EFI DFE

PRINTING PRESSWORK NOTES: Thick stock over 24 pt uses the optional thick stock kit. XLS sheets over 26" use the XLS kit with production feeding and stacking. 5th color kits include fluorescent yellow, white, clear and extended gamut colors orange, green, and blue. These capabilities are all run at production rated speed.

PRINTING PRESSWORK EQUIPMENT: Xerox iGen 5 with 5th print station

POSTPRESS FINISHING NOTES: Collation of print sets and binding. Diecuts and folding.

POSTPRESS FINISHING EQUIPMENT: Various

PAPER/SUBSTRATE/MEDIA: Book Jacket: Verso Blazer Digital Gloss 100# Cover (270 gsm)

Folding Carton: 18pt Neenah Stipple Folding Board



Samples: Verso Blazer Digital Gloss 100# Cover (270 gsm); Reich Paper SHINE 137# Cover (370 gsm) Pearl; Reich Paper SHINE Digital 107# Cover (290 gsm) Champagne; Mohawk Via Felt 80# Cover (216 gsm) Bright White *Mohawk Via Linen 80# Cover (216 gsm) Bright White Mohawk Superfine Eggshell 100# Cover (270 gsm) Ultrawhite *Arjowiggins Curious Collection Matter 100# Cover (270 gsm) Goya White; Sappi McCoy Silk 100# Cover (280 gsm); GPA Constellation Jade Riccio for Toner Digital Presses 80# Cover (215 gsm); Neenah Esse Pearlized 105# Cover (285 gsm) White; Neenah Environment 120# DTC (324 gsm) Grocer Kraft; Arjowiggins Curious Collection Matter 100# Cover (270 gsm) Black Truffle and Red and Gold Leaf; GPA Ultra Digital 2" Diameter Kiss-Cut Circle Labels on 60# Matte Litho Facestock with Permanent Adhesive and 80# White Liner and Kiss cut and rectangle labels; Mohawk Performance Polyester 10 mil and 14 mil; GPA 4 mil White Flexible Vinyl with Low Peel Removable Scored Liner 80# White Kraft and Clear Flexible Vinyl; Ancora SBS C2S 20pt Cover (391 gsm); Neenah Folding Board Vellum 24pt 172# DTC (465 gsm) Kraft

JUDGES' COMMENTS: Beautiful use of white toner. Impressive book overall.

VDP/CUSTOMIZED

DIGITAL PRINTING PRINTED PRODUCT OF THE YEAR

PRINTER: Consolidated Printing
Van Buren, Arkansas

Las Vegas Raiders Season Ticket Books

Las Vegas Raiders 2020 Season Ticket Book

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The job has 15 different ticket types with 10 different unique game art types with each ticket and book personalized with season ticket holder seating and barcode information. Each game also has unique foil and Scodix polymer (raised UV). There are also challenges with matching up the foil and Scodix polymer to perfectly match up with the print as the stock goes through a minimum of four machines (perf, iGen, foil, and Scodix). The front cover is hot foil stamped with a textured foil dies and embossed using traditional dies.

PREPRESS NOTES: There are 15 different types of art for 10 unique games. All is variably driven. Foil layers had to be hand drawn for each game.

PREPRESS EQUIPMENT: Macintosh Work Stations, Rollem Perforator

PRINTING PRESSWORK NOTES: Stock is pre-perfed so when running, the operators must make sure stock is stacked properly and fed straight and the proper direction into the machines. Registration must be watched closely as the Scodix and foil must match up later on the tickets and we must watch closely for static lines.

PRINTING PRESSWORK EQUIPMENT: Xerox iGen 5

POSTPRESS FINISHING: When running the foil and polymer on Scodix the operators must pay very close attention to detail as the polymer and foil must match up perfectly to the art on the tickets. All types must also be watched closely so they match up on the Scodix as they are type and game specific. On the front cover foil and emboss we must pay close attention that the texture fills in and the emboss aligns to the flat foil. Hand collating is also done to match up the back cover (which is account specific) to the correct set of tickets. Precise cuts must be made and care must be taken as the Scodix causes the stock to be uneven due to it being raised.

POSTPRESS FINISHING EQUIPMENT: Scodix, Kluge Platen / Foil Stamper, Polar Paper Cutter, Interlake Stitcher, Tape Stripping Machine, Hand Collating

PAPER SUBSTRATE MEDIA: 12pt Semper C1S Cast Coated Paper / Semper

JUDGES' COMMENTS: Impressive part: this is a live printed job. Great use of digital enhancement. Uniqueness of every page. This entry has great integration of VDP into a flawless print piece.



DIRECT MARKETING

WINNER

PRINTER: Body of Work and Armstrong, Miller & McLaren
Sydney, New South Wales, Australia

Body of Work Black and White

We have a small but affluent and identifiable market. Our product is high-end fine art. It is vital that every element of the direct marketing is high-end compatible with the product we are selling. We circulate a magazine every month and every quarter we send an elaborate presentation such as this with loose leafs. It works and it has been working well for the last 18 years. In this quarter we introduced the new Body of Work Black and White Series.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: To maintain our high standard, every element of our marketing must be perfect, stylish, and possess flair and originality. This applies to the product and all elements of the marketing. Every element is checked thoroughly.

PREPRESS NOTES: The prepress is very straight forward without challenges. This is because every stage is synchronized calibration from the camera to the printing press. The creative director/photographer has total control of the whole process. Our policy is "Get it right in the camera" and by doing this there are no compromises along the way. We adapt this policy to our product and our marketing.

PREPRESS EQUIPMENT: Canon prepress

PRINTING PRESSWORK NOTES: With our system it is straight forward without any complications

PRINTING PRESSWORK EQUIPMENT: Canon imagePRESS C800

POSTPRESS FINISHING NOTES: Cello gloss and spot UV throughout. Matte cello gloss on cover

POSTPRESS FINISHING EQUIPMENT: Sakurai Silkscreen SC72A

PAPER/SUBSTRATE/MEDIA: Sovereign Silk from Hansol in Korea

JUDGES' COMMENTS: This was a very difficult category to judge. This piece really shows an understanding of reproducing images. There is incredible image reproduction of a very broad tonal range.



PROMOTIONAL CAMPAIGN

WINNER

PRINTER: Emirates Printing Press
Dubai, United Arab Emirates

Digital Catalog

It was a hilarious and challenging task from the concept, creativity, design, substrate, process, and finishing, and execution of the whole catalog of 10 pages. Each leaf has a different pattern of 3D effect.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Multiple foil and 3D varnish process done to achieve the effect.

PREPRESS NOTES: GMG media used for proofing SCREEN - 175 LPI

PREPRESS EQUIPMENT: Printing Envelope - Special base lamination
Printing Leaflets - Digital Printing : Process color

PRINTING PRESSWORK NOTES: Xerox iGen four color printing

PRINTING PRESSWORK EQUIPMENT: Digital UV foiling with six colors (Gold/Silver/Red/Green/Gold Holo/Silver Holo/Digital 3D effect varnish)

POSTPRESS FINISHING: Foiling & 3D varnish - MGI

PAPER/SUBSTRATE/MEDIA: 250 Gsm Matte Cart

JUDGES' COMMENTS: Phenomenal array of techniques. Beautifully executed self-promo piece!



DIGITAL PRINTING

DIRECT-TO-GARMENT

WINNER

PRINTER: All American Print Supply Co.
Philadelphia, Pennsylvania

Your One Stop Shop for All Printing You Need!

Presenting what and how to print on a shirt and inspiring others who are interested in the printing business or are already in it.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: All processes are crucial and it may concern all the other possibilities affecting the printing performance, quality, and result with all other angles. However, we think the essential part is how to pretreat the shirt. It is a basic step, but it is the root and foundation of how to have better performance and results.

PREPRESS: We would like to highlight a few points of the prepress step.

- Temperature
- Prepress time
- Type of shirt (cotton, poly or others)
- Amount of pretreatment distribution
- Type of pretreatment

PREPRESS EQUIPMENT: Hotronix Auto Open Clam Heat Press (16x20")

PRINTING PRESSWORK NOTES: We would like to highlight a few points of the printing/presswork step.

- Printing location (Where print will be applied)
- Platen height
- Printer maintenance: ink, nozzle check, head cleaning, suction check

PRINTING PRESSWORK EQUIPMENT: Epson F3070/Hotronix Auto Open Clam Heat Press (16x20")

POSTPRESS FINISHING NOTES: We would like to highlight a few points for the finishing step.



- Temperature
- Pressure
- Post-press Time
- Type of shirt (cotton, poly or others)

POSTPRESS FINISHING EQUIPMENT: Hotronix Auto Open Clam Heat Press (16x20")

PAPER/SUBSTRATE/MEDIA: 100% Ring-Spun Combed Cotton-Black (Smartex apparel)

JUDGES' COMMENTS: Great definition and detail. Inks are soft to touch. Great texture!

DIRECT-TO-OBJECT

WINNER

PRINTER: LSINC
Huntsville, Alabama

Mandala 2021 Red Wine Digital DTO on Antique Green Burgundy Glass

The Mandala package is an example of replicating embossed glass and screen printing into a single digital DTO process that is capable of articulating around the curvature of a 3D cylindrical object seamlessly.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The true innovation of this print is the use of a digital helical print engine combined with articulating print heads to seamlessly print over curvatures of contoured media in a single pass. Further, the package showcases a digital "emboss" embellishment well outside of the traditional label panel, transforming an otherwise standard wine bottle into something tactile and eye-catching. The challenge to produce is in the print file setup, where geometries for the articulating printheads must be offset to maintain consistent line weights, offset distortion, and maintain consistent ink laydown on changing diameters.

PREPRESS NOTES: All work is digital beginning with Adobe Illustrator. Spot colors/layers for primer, white, and varnish were defined for ONYX RIP. The design was then offset and skewed to account for the change in diameter from the body of the media to the neck. A process white gradient mask was then applied to offset the change in droplet density as the diameter of the media decreases while printing. The file was ripped at 1247x1200 with defined spot colors (primer/varnish) to create the embossed effect.

PREPRESS EQUIPMENT: All digital. Adobe Illustrator, ONYX RIP.

PRINTING PRESSWORK NOTES: The challenge in the presswork for this package is the programming of media geometry for a helical print over the contour of the media, while maintaining consistent printhead gap and resolution. The media was printed at 6.5 revolutions per second, with a print gap of 2mm in a single pass.

PRINTING PRESSWORK EQUIPMENT: LSINC Perivallo360m

PAPER/SUBSTRATE/MEDIA: Glass 750mL Celia-059 provided by GloPak Wine & Spirits

JUDGES' COMMENTS: Great use of texture and height for depth while maintaining a very sharp image. Beautiful piece!



WIDE-FORMAT PRINTING

BACKLIT DISPLAY

WINNER

PRINTER: GSP Marketing Technologies, Inc.
Clearwater, Florida

Scaly Sunrise

Lizard in a tree.

JUDGES' COMMENTS: The design and execution of this piece make it pop. Printing on both sides creates a dramatic effect.



DISPLAY AND POP ON PLASTIC

WINNER

PRINTER: Graphic Trends, Inc.
Paramount, California

Too Faced Born This Way Nesting Table Display

This beautiful acrylic and expanded plastic display features an LED-illuminated spinning carousel of cosmetic foundation products powered by D-size batteries hidden within the center product factice. The display has a motion-detection sensor that turns the lights on from one direction after sensing motion and automatically turns the lights off to continue to conserve battery life. The "delay" off to on prevents the LEDs from staying illuminated in a high-traffic area.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: This multi-faceted display requires intelligent engineering, creativity, precision printing, followed up with a package that will deliver to stores on time and in great condition. Having to create an innovative eye-catching product display that was able to be both functional and elegant while supporting a battery life of seven or more weeks in a high-traffic retailer was a particular challenge.

PREPRESS EQUIPMENT: Adobe Creative Suite/Autodesk Inventor

PRINTING PRESSWORK EQUIPMENT: EFI Vutek 5330

POSTPRESS FINISHING EQUIPMENT: Kongsberg Router

PAPER/SUBSTRATE/MEDIA: Expanded Polystyrene - Acrylic - Corrugated Tube - Coated Paper - Gold Foil Lamination

JUDGES' COMMENTS: As a point-of-purchase, this piece is just spectacular in a challenging category. The variety of different applications, like the light and round table, make for a great multidimensional piece.



DÉCOR

WINNER

PRINTER: VIVAS, Inc.
San Francisco, California

TURO Interior Décor

This project is what we call an "all in one." When we first met our client, TURO, they asked our advice on how to make the project successful. As interior experts we were able to combine different substrates and use a variety of printers and products to highlight TURO's branding colors.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The most challenging section of this project was designing and installing the three layers that were needed for the conference room décor. We printed translucent material and after it was installed, we applied a big logo shape with the frost material.

PRINTING PRESSWORK EQUIPMENT: Wall graphics and elevator wrap: Roland DG TrueVIS VG2-640 64" wide-format inkjet printer/cutter. Window graphics: Roland DG VersaUV LEJ-640 64" flatbed hybrid UV-LED printer

POSTPRESS FINISHING EQUIPMENT: Wall graphics: Matte over lamination 3M-8520; Elevator wrap: lamination matte- 3M- 8520; Window graphics: Hexis Frost, Hexis Translucent; Conference room: 3M Diochric

PAPER/SUBSTRATE/MEDIA: Wall graphics: 3M Controltac 40C-10; Elevator wrap: 3M JJ 180 - 3M- 8520; Window graphics: Hexis SUPTAC S5000; Conference room: 3M Diochric

JUDGES' COMMENTS: I liked the diverse application of this piece in a real world setting.



WIDE-FORMAT PRINTING

BANNER

WINNER

PRINTER: Diocesan
Orlando, Florida

Annunciation of Mary 2021

Using the classical painting, *The Annunciation by Masucci*, as a base, we created a banner to celebrate the Annunciation of Mary feast day.

PREPRESS NOTES: Created using Adobe Photoshop and Adobe Illustrator

PREPRESS EQUIPMENT: SAi Production Mgr 12 RIP

PRINTING PRESSWORK NOTES: Because we are using custom specified media and ink, calibration is very important and the SAi RIP allows us calibrate our printers to our requirements.

PRINTING PRESSWORK EQUIPMENT: Epson SureColor T5270

PAPER/SUBSTRATE/MEDIA: Custom polypropylene base with aqueous receptor

JUDGES' COMMENTS: All the entries in this category were fantastic and hard to pick from. Very impressed with the technical challenges of portraying in printed fashion a large artwork photograph that captures details of the original substrate.



POSTER/FINE ART

WINNER

PRINTER: MADS
Ciudad de México, Mexico

Nahualli

It is a faithful reproduction of wood carvings belonging to the Zapotec mythology made by the artist according to his ancestral family traditions.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: It was really difficult to capture the technique, color and execution of the pieces using CMYK printing techniques since the colors used by the artist are made by hand-mixing natural pigments with different substances such as lemon juice and even mezcal.

PREPRESS NOTES: The color separation was carried out through several photographs of the same piece that, when mixed together, managed to reproduce the extraordinary color of the artist in the sculpture.

PREPRESS EQUIPMENT: Mac computer

PRINTING PRESSWORK NOTES: The art was printed on handmade paper, excellently mixing the four primary colors, thus reproducing the complete range of colors used by the artist in his work of art.

PRINTING PRESSWORK EQUIPMENT: HP

POSTPRESS FINISHING NOTES: Each piece was manually varnished to register with a wide texture varnish, thus achieving volume and shine to the print. The container was made by hand by bookbinding artisans using printed fabric to achieve the texture of the cover that represents the work of the Zapotec craftsmen.

POSTPRESS FINISHING EQUIPMENT: Homemade

JUDGES' COMMENTS: Amazing binding of inlay book. This has it all. The whole package is exceptional packaging.



VEHICLE WRAP INSTALLER

WINNER

PRINTER: Wide Open Throttle Graphics
Lacombe County, Alberta, Canada

Abominable Voodoo Project

This themed wrap project included designing, producing, and applying graphics to 2019 Ram 1500 Sport pickup truck, a Cross Traxx Sled Deck, a 2019 Ski Doo Summit, and a 2020.5 Ski Doo Summit Factory Turbo.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: This multi-vehicle wrap project was made more challenging by an extremely tight deadline: I completed three quarters of it in 48 hours, with an extra four hours added later to wrap the Turbo. Sled wraps are very unique and 100% customizable to the rider and their style. I feel that innovation is also key in creating impactful vehicle and powersports graphics, and using the best substrates and printer in the industry helps make my job a little easier.

PRINTING PRESSWORK EQUIPMENT: Roland DG TrueVIS VG2-540 54" wide-format printer/cutter

POSTPRESS FINISHING NOTES: Substance Inc. U1500

PAPER/SUBSTRATE/MEDIA: Substance Inc. UltraCurve X1

JUDGES' COMMENTS: I loved the before and after shots. They used the underlying color to make the wrap better. Impressed with the intricacy of the design.



BUILDING GRAPHICS INSTALLER

WIDE-FORMAT INKJET PRINTED PRODUCT OF THE YEAR

PRINTER: Mountain Commercial Graphics
Houston, Texas

Space Center Houston Building Murals

Grand-format building murals two each, 64x20' tall for the main entry of Space Center Houston. Graphics designed by Jody Draper, Space Center Houston.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: John Carthey Installations brought this project to Mountain Commercial Graphics for 3M Certified Production and a very tight deadline of three weeks to receive production ready artwork, manufacture the murals and install the graphics for the Memorial Day weekend. The left wall is a changeable graphic and has a set of windows 31.5x4.5' tall within the mural. We specified 3M changeable film IJ180mC-10UR with 3M 8519 Lustre Laminate for the vinyl application and 3M 8170-P40 perforated window film with 3M 8914 window laminate for the windows. The right wall is a long term graphic and we specified 3M IJ180Cv3-10 with 3M 8519 Lustre Laminate. All graphics were premasked with 3M SCPM-3. The installation was done with a lift and John Carthey Installations provided a protective ground barrier to protect the pavers while moving to each section. On the left wall we provided the full mural in vinyl to cover all molding. The vinyl on the glass was removed and the window film was then installed.

PREPRESS NOTES: The artwork was provided to us with a 4" bleed on all sides and we paneled the file within our Fiery RIP in two rows of 15 even panels with a 1" overlap left, right, and top to bottom. The windows on the left wall were cropped per our template with a 4" bleed on all sides and paneled within our Fiery RIP in seven even panels with a 1" overlap.

PREPRESS EQUIPMENT: EFI Fiery Pro Server, Software Version 6.5.0.5.1

PRINTING PRESSWORK NOTES: Labeling feature was turned on to help identify panels in the finishing stage of lamination. Quality check for image and resolution was performed and adjusted as needed.

PRINTING PRESSWORK EQUIPMENT: EFI VUTEk 3r+

POSTPRESS FINISHING NOTES: All panels once laminated, premasked, and trimmed, were re-labeled clearly left to right, top to bottom, and packaged in the order they would be installed coming off the roll first.

POSTPRESS FINISHING EQUIPMENT: AGL 64i

PAPER/SUBSTRATE/MEDIA: All 3M MCS vinyls and laminates listed above.

JUDGES' COMMENTS: The size and scope of this project sets it apart from everything else. The end user must be very happy. Sending the eyeball (part of the actual mural) was a smart way to show the end piece's scope of project. Imagery used was used on large format well. It is out of this world. The execution is great. The design did what it was asked to do and it tied everything together so well. Process and non-process were done well.



WIDE-FORMAT PRINTING

SUBLIMATION

WINNER

PRINTER: Just Vision It LLC
Lone Jack, Missouri

Jasco Games My Hero Academia #2

Project specs design an 8x8' free standing floor graphic and a 9x10' hanging banner for a rotating display 25' above the actual show area. This project was for a gaming meeting in Las Vegas June 2021. We had three days to complete this project!

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Taking our SEG Modular system, we were able to reconfigure the layout so the client could create a very strong visual graphic that would catch the eye of the attendees. My Hero Academia is world renowned and one of the fastest growing brands in the gaming industry. We again used our newest print technology by taking the submitted graphics and running them through our eight-color Panthera S4. The color gamut we were able to achieve with these images was truly remarkable, providing a huge gain in how the finished product looked while on display. The submitted sample for consideration is a small version of the actual print size. The client was extremely thrilled again with the end results

PRINTING PRESSWORK EQUIPMENT: Panthera S4 3.2M eight-color

PAPER/SUBSTRATE/MEDIA: Fast dry 126" 95 gsm

JUDGES' COMMENTS: This piece is sublime with the crisp text and vibrant colors.



HEAT TRANSFER

WINNER

PRINTER: FiberLok Technologies, Inc.
Fort Collins, Colorado

Contra Costa FC 4D

Capturing this football club's distinct professionalism within a design that communicates spirited excitement was achieved by this multi-color flocked heat transfer and dye sublimation layer.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Maintaining distinct registration between dimensional graphic layers is complex. Over-printing flock colors without color bleeding and matching that up to a dye sublimated layer that has its own patterns and designs creates visual depth and interest.

PREPRESS NOTES: Using the customer-supplied image, our production artists had to meet the required manufacturing specifications without greatly altering or sacrificing the integrity of the original design and determine what areas will be cut out for dye-sublimated inserts.

PREPRESS EQUIPMENT: Artwork done in Adobe Creative Suite on PC

PRINTING PRESSWORK NOTES: Multiple screens are created based on the number of colors within a design using emulsion for each layer. Design screens have applied bond and those with prominent colors, or particularly contrasting hues, often are run through our press multiple times to maintain clear lines and sufficient color depth. This design also has a printed dye sublimated insert that is hand-matched to the flock overlay and sealed together.

PRINTING PRESSWORK EQUIPMENT: Flock layer: Processed on an MHM Synchroprint 3000 Sub dye layer: Printed on Epson SheerColor F6200 using Epson UltraChrome DS ink on Epson DS Transfer Adhesive Textile Paper, then transferred to fabric through a drum laminator.

POSTPRESS FINISHING NOTES: Flocked sheet with sub dye insert cut out into uniform "cells" for ease of customer application.

POSTPRESS FINISHING EQUIPMENT: Modified Heidelberg Cylinder press with custom cutting boards to maximize yield and cost effectiveness.

PAPER/SUBSTRATE/MEDIA: .75mm Nylon Flock fibers & Sub dye printed Obi-Tex fabric

JUDGES' COMMENTS: The multiple layers and passes effect is pulled off well. The way it looks like a patch, but is not, is great.



POSTPRESS/FINISHING - FOIL STAMPING (TRADITIONAL)

WINNER

PRINTER: Shanghai Xinzhou Packaging and Printing Co., Ltd.
Pudong, Shanghai, China

Phoenix Golden Exquisite Lipstick Gift Box

The work uses red artistic paper with three-dimensional hot stamping technology. It puts the red and gold in the traditional Chinese colors in the limited space.

Envelope: The work has a three-dimensional and tactile texture, which reflects the exquisite gilding technology.

Inner box: It now demonstrates the beauty of traditional Chinese ink painting, using a variety of foil stamping techniques and laser diecutting.

Instruction manual: Fine art paper hot-stamping wire gives the product the spirit of pursuing the ultimate, and it also reflects the exquisite hot-stamping technology.

PREPRESS EQUIPMENT: Kodak Q800 CTP

PRINTING PRESSWORK EQUIPMENT: Heidelberg XL75-8+L-F

POSTPRESS FINISHING EQUIPMENT: BOBST SP106ER/ BOBST Folder & Gluer

JUDGES' COMMENTS: In one word, Amazing. Impeccable registration throughout. The fine line and stamping is great.



EMBOSSING/DEBOSSING

WINNER

PRINTER: C & C Joint Printing Co., (H.K.) Ltd.
Tai Po, New Territories, Hong Kong

Strata: William Smith's Geological Maps

Case cover with foil Stamping and debossing.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Clean and fine detail of both foil stamping and debossing

PREPRESS EQUIPMENT NOTES: Kodak Prinergy SCREEN PT-R8900S

PRINTING PRESSWORK EQUIPMENT: Heidelberg

POSTPRESS FINISHING NOTES: Clean and fine detail of both foil stamping and debossing

POSTPRESS FINISHING EQUIPMENT: KOLBUS

PAPER/SUBSTRATE/MEDIA: Jade Dragon woodpaper

JUDGES' COMMENTS: I love the letterpress effect on the back cover. This piece could stand on the debossing alone. Excellent fine line details. Impressed by the simplicity and cleanliness of the piece.



POSTPRESS & FINISHING

FOLDING

WINNER

PRINTER: Changzhou City Jintan Ancient Books Printing Factory Co., Ltd.
Changzhou City, Jiangsu, China

Make Up in Mulan Period

Make up in Mulan Period is an introduction of various makeup styles for women during the Mulan period. The content is designed specifically for teenage girls. However, the scroll is well liked because of its unique folding and binding form. The folding and binding form is called dragon scales bound, because its internal page scales are stacked like dragon scales. The fun part is that it can be turned from the beginning to the end, or from the back to the front, flowing smoothly like a "whirlwind", so it is also known as the whirlwind. The audiences do not only enjoy the scroll's knowledge, but also enjoy the playfulness of its binding and folding.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: We are used to packing the long scroll by wrapping it up into a round scroll for shipping. However, the charming part of the scroll is we can turn it from left to right and backwards as a flow. It would only flow nicely when it is flat. If we ship it by wrapping it up, it would takes days and efforts to make it flat again. We are not sure whether our judges would have the time. Therefore, we made a long enough box to make sure it lays there flat. We also send in a video through email to show how to play around with the scroll like whirlwind. In order for our cardboard box to be strong enough for the travel, we embedded the wood board in the box.

PREPRESS NOTES: Using high-precision non-contact scanner to scan the original copy; careful contrast and color management (ErgoSoft Posterprint RIP V15); using CTP precision plate making technology to publish, to achieve no color loss.

PREPRESS EQUIPMENT: ErgoSoft Posterprint RIP V15

PRINTING PRESSWORK NOTES: Three forms of printing:

1. Using Heidelberg four-color press, four-color printing on special handmade Xuan paper presenting the content.
2. Using screen printing for the title on the cover of the box.
3. Using hot stamping printing for the embroidery on the cover of the box.

PRINTING PRESSWORK EQUIPMENT: Heidelberg four-color printing press, the screen printing brush and other equipment, the hot-stamping heater

POSTPRESS FINISHING NOTES: It took very experienced workers 158 procedures to finish the whole thing. Especially, when comes to folding, the folding line between the left page and right page must be accurate. Otherwise, it cannot be formed as a completed picture. Furthermore, the top to bottom has to be the exact same for each page. Otherwise, the picture frame wouldn't be at one horizontal level, and the picture would not look good. Each of the procedures demands our experienced workers' full attention.

POSTPRESS FINISHING EQUIPMENT: Handmade

PAPER/SUBSTRATE/MEDIA: Xuan paper is traditional Chinese paper hand made for classical painting and calligraphy. The main raw materials of Xuan paper are sandalwood bark and rice straw. As a result, Xuan paper is thin and ductile, with good ink embellishing properties, and the ability to last and hold the color for centuries. However, due to its softness and tiny holes on the surface, the printing effect is not as normal paper. The color can be eaten from time to time. This is why the normal practice of Xuan paper printing is to put a layer on top of Xuan paper to fill the holes before print. The drawbacks of that practice are first very costly and then the fact that the ink stays on the surface bringing in less authentic looking and easy to fade. As a specialist in printing directly on Xuan paper, Jintan Ancient Books Printing has dedicated more than 20 years of research and development in Xuan paper color printing. We have overcome all the technical difficulties of direct printing on Xuan paper while printing millions of ancient color books for national libraries and museums.

JUDGES' COMMENTS: Cleverly done. Complex hand folds, interior series of step French folds with the printing perfectly aligned.



POSTPRESS & FINISHING

BOOK BINDING

WINNER

PRINTER: Shenzhen International Color Printing Co., Ltd
Longhua Zone, Shenzhen, Guangdong, China

Enter the Desert Dunhuang

The book is beautifully bound and elegant. This exquisite handmade book is a perfect combination of creativity and craftsmanship and art, and it is decorative and practical. It lets you into the "Mogao Grottoes" world culture and art.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Lock line with naked back special packing and book box and related accessories. (Lock line with three colors – red, green, and blue; printed with spot color pattern and three ribbons. Cover 2P frame mounted red silk diecut frame, oil edge frame. The bottom plate is pressed with four corners of the light panel, the cover is mounted with paper linen and the middle is stuck with a sheet of 0.3mm film and the surface is hot and matte gold. Middle Dunhuang font with coffee color acrylic electric engraving stuck to the bottom, the bottom with 2mm light panel pressure magnet position, surface layer and middle and electric engraving font and bottom to mount, inside the sand head mounted. Back cover shell 2P (double layer): inner and outer layers of red silk coated panel, back mounted 120g linen paper white, outer back support to be mounted white silk, hot black paint, hot matte gold, and air pressure concave. The binding difficulty is very high!

PREPRESS NOTES: Pre-press design and production using advanced printing process. The color curve was compared with the dot curve using the X-RITE test. The Angle of the network cable is 175L.

PREPRESS EQUIPMENT: Kodak 800 iii

PRINTING PRESSWORK: The color requirement of customer cultural relic pictures is very high. All pictures and series of colors should be the same. It must be strictly controlled. The printing process must be well controlled, otherwise the curve must be adjusted in different places to ensure bright color.

PRINTING PRESSWORK EQUIPMENT: Heidelberg CP2000

POSTPRESS FINISHING NOTES: Cover diecutting inside frame, oil edge inside frame. The front cover of the book has two spots of matte gold. Activity cover with 1mm thick PVC screen printing 3C (coffee, black, silver). Book back cover hot dumb gold 1 and air pressure concave 1, hot hot black paint 1. Book block wool size three side printing spot color pattern (red silk color). Box inside the wood UV screen printing black. This hardcover book has a variety of binding technology, the difficulty of post-printing binding is very high!

POSTPRESS FINISHING EQUIPMENT: Bora 115 paper cutting machine, Ya Hua diecutting machine, MBO folding machine, Warren Berg glue cage

PAPER/SUBSTRATE/MEDIA: 128g snow brocade picture paper. 110G Star Rain Platinum Sandpaper sheet. 160g Italian Star Magic paper.

JUDGES' COMMENTS: From the emboss on the case to the sand inlay and open binding, there are so many pieces to take in with this entry. The interior book finishing details like laser cut sleeve are impressive. The ability for the interior book it to be a stand-alone display piece due to the photo frame kick stand on the back is great.



POSTPRESS & FINISHING

DIGITAL ENHANCEMENT (FOIL/VARNISH)

WINNER

PRINTER: Consolidated Printing
Van Buren, Arkansas

[Las Vegas Raiders Season Ticket Books](#)
[Las Vegas Raiders 2020 Season Ticket Book](#)

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The job has 15 different ticket types with 10 unique game art types with each ticket and book personalized with season ticket holder seating and barcode information. Each game also has unique foil and Scodix polymer (raised UV). There are also challenges with matching up the foil and Scodix polymer to perfectly match the print as the stock goes through a minimum of four machines (perf, iGen, foil, Scodix). The front cover is hot foil stamped with textured foil dies and embossed using traditional dies.

PREPRESS NOTES: There are 15 different types of art for 10 unique games. All is variably driven. Foil layers had to be hand-drawn for each game.

PREPRESS EQUIPMENT: Macintosh work stations, Rollem Perforator

PRINTING PRESSWORK NOTES: Stock is pre-perfed so when running, the operators must make sure stock is stacked properly and fed straight and in the proper direction into the machines. Registration must be watched closely as the Scodix and foil must match up later on the tickets. Must also watch closely for static lines.

PRINTING PRESSWORK EQUIPMENT: Xerox iGen 5

POSTPRESS FINISHING NOTES: When running the foil and polymer on Scodix, the operators must pay close attention to detail as the polymer and foil must match up perfectly to the art on the tickets. All types must also be watched closely so they match up on the Scodix, as they are type and game specific.

On the front cover foil and emboss, we must pay close attention that the texture fills in and the emboss aligns to the flat foil. Hand collating is also done to match up the back cover (which is account specific) to the correct set of tickets. Precise cuts must be made and care must be taken as the Scodix causes the stock to be uneven due to it being raised.

POSTPRESS FINISHING EQUIPMENT: Scodix, Kluge Platen/Foil Stamper, Polar Paper Cutter, Interlake Stitcher, Tape Stripping Machine, Hand Collating

PAPER/SUBSTRATE/MEDIA: 12 pt. Semper C1S Cast Coated Paper/Semper

JUDGES' COMMENTS: This sample was better than the rest in the category. Very competitive field, the multiple tickets per booklet techniques are well done. Every ticket was different.



POSTPRESS/FINISHING

PRINTED PRODUCT OF THE YEAR AWARD

PRINTER: Leo Paper Products Ltd.
Kowloon, Hong Kong

Midi Pile

202 pages of laser diecuts to present the storyline, bringing us a new reading experience.

PRINTING PRESSWORK EQUIPMENT: Komori

POSTPRESS FINISHING NOTES: Matte lamination

PAPER/SUBSTRATE/MEDIA: DFP, DAF

JUDGES COMMENTS FOR POST PRESS/FINISHING

PRODUCT OF THE YEAR: Wow! Unanimous decision. All judges were impressed by intricacy of the work.

JUDGES COMMENTS: Far and away the most interesting diecutting in the category. Everything was special. Some of the most precise diecutting I have ever seen. Beautifully engineered and bound!



SPECIALTY - THEY SAID IT COULDN'T BE DONE!

WINNER

PRINTER: Atelier fuer Siebdruck Lorenz Boegli
Muentschemier, Bern, Switzerland

Postcards from Switzerland

Postcards reproduced only in screen printing.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Photographically reproduction only in screen printing.

PREPRESS: Halftone screen 150 L/inch

PRINTING PRESSWORK NOTES: Screen printing in three colors grey/black, solvent based; 650 sheets in format 102x75 cm with 36 postcards.

PAPER/SUBSTRATE/MEDIA: Invercote G 350 g/m2 from Iggesund

JUDGES' COMMENTS: This was a hard category to choose a winner in. I honestly didn't think it could be done and I still can't believe it was done. This piece had great registration. The dimensionality and clarity are incredible. It looked a lot finer than 150 line screen.



EXPANDED GAMUT/HI-FI COLOR

WINNER

PRINTER: Colornet Press
Van Nuys, California

Cedars Sinai's Neuro Annual Report

When Cedars-Sinai approached Colornet Press to produce its annual Cognitive and Neurological Research Report, it was looking for a way to showcase its medical advances in a humble, yet relevant way. Knowing the effect of color on the brain, it wanted to promote everyday items with neurological benefits by photographing them with special lighting techniques falling outside of the CMYK gamut. The solution: our proprietary printing technique called Amplify.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The colors of the brain scans did not convert well from RGB to CMYK. With a production run of 33,000 and a very limited budget, the client could not afford to make the job six-color Hi-Fi as the plates, additional makereadies, and the cost of the inks would increase by 50%. So we offered our proprietary printing technique called Amplify which is achieved with only four colors but covers up to 88% of the RGB color gamut.

PREPRESS NOTES: Amplify requires a different color calibration of proofing printers and printing plates than G7 and GRACoL standards. So the job has to be set up differently, the proof settings and plate curves are different as the inks are more intense and densities are much higher than conventional CMYK inks. Most images were retouched for maximum effects.

PREPRESS EQUIPMENT: Mac computers, Epson SureColor P9000 proofer, Kodak Trendsetter Spectrum 8-up thermal platesetter, Fuji FLH 852 Supreme Plate processor

PRINTING PRESSWORK NOTES: Amplify printing requires special inks that are more dense and must be printed with Stochastic screening. The combination of the denser inks and 20 micron dots require a press that is in perfect condition to maintain the proper water/ink balance to keep the dots open and sharp. Perfect ink release from the printing blankets to the paper is crucial especially at speeds of 13,000 per hour.

PRINTING PRESSWORK EQUIPMENT: Komori Lithrone LS 640 with a coating tower and HUV ink curing system.

POSTPRESS FINISHING NOTES: The booklet was perfect bound with PUR adhesive for maximum durability.

POSTPRESS FINISHING EQUIPMENT: Heidelberg Stahl 16-page folder, Polar 137 cutter, Zund G3 2500 digital cutter, Muller Martini perfect binder

PAPER/SUBSTRATE/MEDIA: Cover: 95# Topkote dull cover; Text: 100# Topkote dull text.

JUDGES' COMMENTS: This is a good example of where gamut printing is useful. Choosing images that take advantage of the violet, orange, and green ink that expand the color space was smart.



SECURITY PRINTING

WINNER

PRINTER: Xerox
Webster, New York

Specialty Imaging Security for Event Passes

VI Suite's unique specialty imaging technology validates that each produced document is genuine, embedding essential counterfeit protection into each print. Specialty Imaging effects add security and visual interest to enhance documents by including text or images that can only be viewed under special circumstances. Hidden text or images embedded into the print become visible under special viewing conditions or with the aid of simple tools such as a loupe, UV light, currency camera, or when copied.

Specialty Effects incorporated into the pieces include:

- Microtext: Use this effect to create characters that are smaller than 1 pt. size. When viewed by the naked eye, the text looks like small dots. The printed content can be revealed using a loupe or magnifying glass.
- Fluorescent Marks: This mark appears as a speckled, colored box. The content is virtually impossible to decipher under normal light. But when a UV or black light is scanned over the circle, the content becomes visible. No special font is required.
- Infrared Mark: Xerox Infrared Mark is printed text that is only visible in the dark, with an infrared camera. This mark appears as a speckled, colored box. The content is virtually impossible to decipher under normal light. But when a UV or black light is scanned over the circle, the content becomes visible.
- Correlation Marks: Xerox Correlation Mark with Vector Pattern Technology is printed text that is only visible when superimposed by a "key" overlay. When viewed by the naked eye, Correlation Mark vector pattern areas appear as a box with a color pattern. To increase security, the vector pattern, text, or image can be varied from ticket to ticket, pattern to pattern, and image to image. Two-layer patterns can also be created that read different messages with different validation keys. Each variation has its own validation key.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Specialty Imaging Security Techniques provide the ability to implement highly secure variable print techniques without special paper, inks or hardware. These techniques provide the following benefits:

- You can boost security of traditional static security techniques by incorporating variable data so that each piece is unique. Layers of security techniques equals added protection.
- Digital techniques can also streamline production by applying security in a single print process, reducing costs. Eliminate costly special substrates, preprinted stocks, along with the associated stocking and inventory management, and secondary print processes.
- By streamlining the print into a single process, it also opens up creativity by allowing security techniques to be integrated right into designs so creativity can stay center stage.

PREPRESS NOTES: Using the FreeFlow VI Suite Design Express plug-in, designers can easily and creatively incorporate the specialty imaging security techniques into their designs and apply them in a variable nature. When it comes to composition, the design templates and data can be output to FreeFlow Core to accelerate the composition and automate the print production job processing and output management for an entirely touchless workflow.

PREPRESS EQUIPMENT: Xerox FreeFlow VI Suite - Design Express with Specialty Imaging and FreeFlow Core Variable Data Module

PRINTING PRESSWORK EQUIPMENT: Xerox Iridesse Production Press

POSTPRESS FINISHING EQUIPMENT: Trim

JUDGES' COMMENTS: The combination of the three technologies for security printing are very effective. It is a great use of the technologies to make something far more secure.



ACTIVATED PRINTING

WINNER

PRINTER: C & C Joint Printing Co., (H.K.) Ltd.
Tai Po, New Territories, Hong Kong

Ozeane Unterwasserwelt

The book is equipped with VR glasses. You can download the corresponding app into the VR glasses by using a mobile phone, then you can see the ocean scenery and listen to the interactive explanation.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: VR children's books.

PREPRESS EQUIPMENT: Kodak Prinergy, SCREEN PT-R8900S

PRINTING PRESSWORK EQUIPMENT: KBA

POSTPRESS FINISHING EQUIPMENT: KOLBUS

PAPER/SUBSTRATE/MEDIA: Gold Sun FSC mix credit matte art paper.

JUDGES' COMMENTS: This piece had an interesting combination of technologies. The piece illustrates a good combination of virtual reality and good printing.



ENVIRONMENTALLY SOUND

WINNER

PRINTER: C & C Joint Printing Co., (H.K.) Ltd.
Tai Po, New Territories, Hong Kong

The Natural History Book

FSC mix credit paper is used for text, endpaper, case, and jacket. The board is made of FSC recycled 100% raw material. Coswood green soybean ink and non-process plates were used.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Green printing: all materials meet the requirements of environmental protection.

PREPRESS EQUIPMENT: Kodak Prinergy, SCREEN PT-R8900S

PRINTING PRESSWORK EQUIPMENT: Heidelberg

POSTPRESS FINISHING EQUIPMENT: KOLBUS

PAPER/SUBSTRATE/MEDIA: Snow Hawk FSC mix credit matte art paper.

JUDGES' COMMENTS: This piece did not jump out as looking to be printed in an environmentally sound way. After reading the description, I was surprised by the raw materials used to produce it. It is a well-printed piece.



SELF-PROMOTION

WINNER

PRINTER: Body of Work and Armstrong Miller & McLaren
Sydney, New South Wales, Australia

Body of Work Three

This is the official Body of Work corporate book.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Most self-promotion consists of companies with claims glorifying their products and services. In our case, we decided to create a self-promotion book by demonstrating the quality and consistency of our work.

PREPRESS NOTES: Our policy is to get it right in the camera. Our hands-on creative director/photographer personally controls all aspects of the job from concept to completion. To attain this end, all equipment, from camera to printing press, are collaborated so the image in the camera is identical to the finished product. In this case, the challenge was to ensure all the spot UV was in perfect registration with the image.

PREPRESS EQUIPMENT: Canon

PRINTING PRESSWORK NOTES: Because of the accuracy of the prepress, the printing was fairly straight forward, ensuring the registration of varnish and image was perfect.

PRINTING PRESSWORK EQUIPMENT: Canon imagePRESS C800

POSTPRESS FINISHING NOTES: The job features spot UV on images throughout.

POSTPRESS FINISHING EQUIPMENT: Duplo DDC spot varnishing.

PAPER/SUBSTRATE/MEDIA: Sovereign Silk from the Hansol Mill in Korea.

JUDGES' COMMENTS: This piece is beautifully printed. The vibrant reproductions throughout make the piece both elegant and rich.



MIXED TECHNOLOGIES

WINNER

PRINTER: RRD Durham
Durham, North Carolina



Pokemon Sword & Shield Ultra-Premium Collection - Zacian & Zamazenta

Special edition collector's rigid box containing cards, dice, coins, card sleeves, booster packs, player's guide, and unique code card.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: The client came to RRD in need of structural design and graphical embellishments to create a box to house multiple game objects. Multiple substrates, embellishments, components for kitting, etc., went into the box to create a premium look and feel.

PREPRESS NOTES: Structural design and embellishments were key to bring the client's graphics to life to create a rich experience for the consumer.

PRINTING PRESSWORK NOTES: Multi-component retail product featuring foil laminate on box wrap and gold foil stamped items (instruction guide and divider).

PRINTING PRESSWORK EQUIPMENT: Komori 28x40"

PAPER/SUBSTRATE/MEDIA: C1S text litho (litho wrap), 100# gloss text and gold foil (instruction guide), C2S board and gold foil (tab divider)

JUDGES' COMMENTS: This piece is excellently made. There are great images on the foil stock and the game pieces are high quality. Any collector would be exceedingly happy with the purchase of this piece.



PROMOTIONAL PRODUCT

WINNER

PRINTER: C & C Joint Printing Co., (H.K.) Ltd.
Tai Po, New Territories, Hong Kong

Wu Duanyang Cultural Dragon Boat Festival Suit

Gold and white stamping on case cover and printing with special red and green ink.

Box: Four-color printing on 400g ivory board with black color stamping.

Shadow puppet: Four-color printing on 400g ivory board box with gold stamping.

WHAT MAKES ENTRY CHALLENGING/INNOVATIVE: Shell spot-color registration.

PREPRESS EQUIPMENT: Kodak Prinergy, Kodak Magnus 800 Quantum

PRINTING PRESSWORK EQUIPMENT: Heidelberg CD102

POSTPRESS FINISHING EQUIPMENT: ShengTu BOBST

PAPER/SUBSTRATE/MEDIA: Gloss art paper

JUDGES' COMMENTS: This is a well put-together piece. The shadow puppet show was well executed. The packaging down to the bag was done well.



STUDENTS

STUDENTS - HIGH SCHOOL STUDENT

WINNER

PRINTER:

Pudong, Shanghai, China

"Tiger shoes" packaging

"Tiger head shoes" is a kind of children's shoe with toe caps that look like a tiger head, made by traditional Chinese folk crafts. It means good luck, hoping that children can grow up healthily and safely. The packaging adopts the shape of a tiger head, and the overall design is lifelike. The hollowed-out design of the tiger mouth clearly shows the built-in "tiger head shoes." The middle part of the package adopts the tearing design. When it is opened, the upper part of the package can be used as a "tiger head cap". The packaging design is both ornamental and practical.

PREPRESS EQUIPMENT: HP WorkStation, Adobe Design Software, Artios CAD

PRINTING PRESSWORK EQUIPMENT: HP Scitex FB700 flatbed printer

POSTPRESS FINISHING EQUIPMENT: Esko diecutting

JUDGES' COMMENTS: This is a well-printed piece that is structurally impressive. I can't believe a High School student did this.



POST-SECONDARY STUDENT

WINNER

PRINTER:

Pudong, Shanghai, China

OUT OF SHADOW

The book "Out of Shadow" introduces Chinese 24 solar terms in the form of Chinese traditional art — Shadow Play. The book takes two volumes as a set of forms, including volume Spring-Summer and volume Autumn-Winter. This three-dimensional book combines modern laser engraving technology with Chinese the traditional folding style of Confucian classics, and adopts several post-painting techniques, such as screen printing, UV printing and blocking, presenting Chinese 24 solar terms in forms of gatefold, rotation, folding fan and so on. The book is equipped with 3D printing illuminant; when the shadow play image appears, the book becomes the light equipment simultaneously, combining beauty with functionality perfectly.

PREPRESS NOTES: AI draw the image and PS process to modify, Modeling in 3D MAX, lamp base, and 3D printing; Main material: Vegetable parchment, Yunlong paper, Art paper.

PRINTING PRESSWORK NOTES: UV printing: Zhongyi ink; digital printing: Konica Minolta; hand-screen printing.

POSTPRESS FINISHING NOTES: Laser engraving, Bosch Ketai 4060 laser engraving machine Kedu; blocking, GN-1800D; cutting; indentation, folding; mounting.

JUDGES' COMMENTS: Winner, winner, chicken dinner. It is just incredible. The way it opens to make dioramas ... WOW!



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