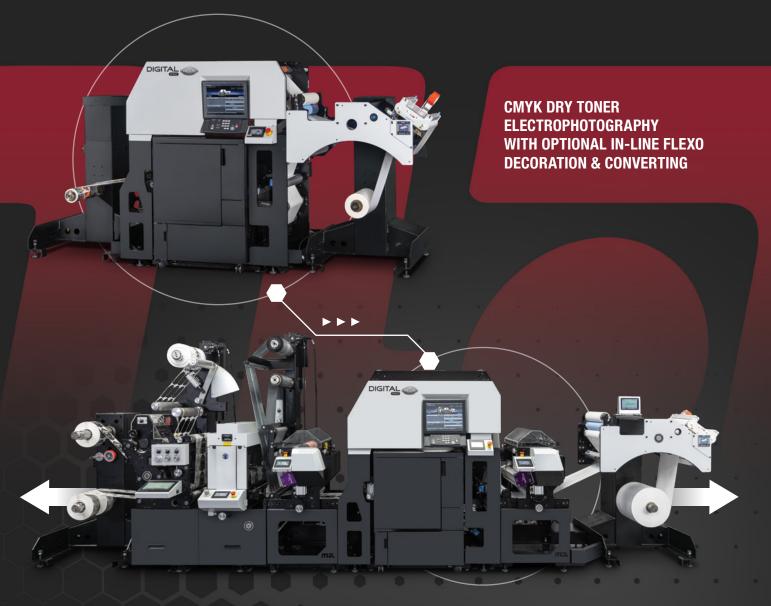
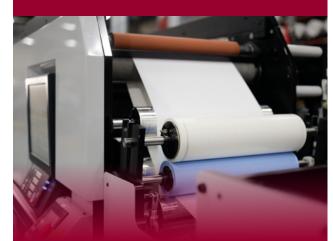
# DIGITAL PLUS



AN EXPANDABLE DIGITAL HYBRID PLATFORM WITH A ROADMAP TO GROWTH



The Digital Pro PLUS delivers a roadmap to growth at an entry level investment.



Discover the future of digital printing with the Digital Pro PLUS - a dynamic, efficient, and expandable solution designed with your needs in mind. Our cutting-edge Pro Series platform incorporates a hybrid modular chassis, delivering production excellence consistently.

## **Key Features**

- Hybrid modular expandable chassis with inline finishing
- Entry-level investment into digital printing
- Quick warm-up time
- Excellent and consistent quality
- High-quality screen
- Minimum font size: 4 pt reverse type and 2 pt positive type as a standard
- Durable toner
- Variable Data Printing (VDP) enabled
- All consumables available through MAPP
- Compact design
- Optional roll lift available

## Designed for Growth and Efficiency

This hybrid platform effortlessly combines modern technology with a legacy of 77 years of industry-leading web handling experience. The Digital Pro PLUS delivers a low cost to print at high print speeds while maintaining excellent quality.

The Digital Pro PLUS leverages the Pro Series platform to deliver a modular, hybrid chassis that adapts and scales in harmony with your business growth.



#### New Modern Platform

- **Developed** on the the new fully servo-driven CE certified Pro Series platform
- Easy for Operators, regardless of skill level
- Connected supported with Mark Andy sMArt link for real time production monitoring & analytics
- Quick setup & changeover
- Streamline the way you impose print jobs with ProWorx

## Comprehensive Support and Consumables

Mark Andy's industry leading service and support network is readily available to our customers. All Digital Pro PLUS consumables and spare parts are available through MAPP, providing our customers with a streamlined avenue for all their operational needs.



#### **Exceptional Quality and Durability**

**Servo Rewind** 

simultaneously)

With 30" roll capacity

(20" with dual upper/lower

Available self-wound

Our advanced printing technology enables a minimum font size of 4 pt reverse type and 2 pt positive type as a standard. The durable toner, backed by light-fastness tests, ensures optimal print quality, while Variable Data Printing (VDP) empowers businesses to leverage

#### **Product Value Add Labels**

Expand with multi-use flexo stations after digital module to allow decorating with PMS spot colors, varnishes, laminates and adhesives, cold foil, and more.

**Available** 

#### **Future-proof** Configurability

This machine is scalable and can be upgraded as your business evolves.

**Digital bypass** available (one color blanks/spot jobs)

30 inch (762mm) servo-driven unwind

web cleaner and optional corona treating



4"-24" repeat range with waste windup, slitting, scoring available, and option to use full rotary existing tooling

#### **High Resolution Digital Print** Proven CMYK dry

toner technology provides 1200 dpi print with reliable results

#### Flexo Stations with UV or UV LED curing options.

Pre-registration sets near perfect after first label

**Auto-registration** maintains registration at all speeds



## **Technical Specifications**

Print Engine	AL230		
Web Width	13 inch (330mm)		
Print Width	12.6 inch (320mm)		
Print Resolution	1200 / 8 bit, 3600 DPI equivalent		
Printing Process	CMYK Dry Toner Electrophotography, Capable of Flexo		
Speeds	77 fpm (24mpm)		
Die Repeat	4-24 inch (102-610mm)		
Print Repeat	7-48 inch (178-1195mm) digital banner mode, 5.5-24 inch (140-610mm)		
Substrates	PS, PP, PET, supported films		
Roll Capacity	30 inch (762mm) single rewind, 20 inch dual rewind		
Curing	GEW E2C UV and UV LED options		
Power Requirements	380-480V 3 Phase (amperage dependent upon configuration), 200-240 single phase 24 amp		
Pneumatic Requirements	100 PSI at 2 CFM		
Environment	40-60% relative humidity		
Converting & Finishing Options:	<ul> <li>Conventional die station</li> <li>Flexographic print station before and after digital module</li> <li>Sheeter stacker conveyor</li> <li>Digital module bypass</li> <li>Cold foil</li> <li>Lamination</li> <li>Slitting &amp; scoring</li> <li>Semi-rotary die station with</li> </ul>		

a repeat range of 4"-24"

#### Tool Kit & Accessories

The key to successfully optimizing your pressroom is to utilize important accessories to ensure the fastest setup and changeover times so that optimum Productivity can be achieved. Ask about building the right

Tool Kit for your pressroom!





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## Versatile Applications

The DPro PLUS is perfect for various applications, including prime pressure-sensitive labels, durable & industrial labels, paper labels, craft goods, food & beverage, variable data, health & beauty, and more.

Partner with Mark Andy and the DPro PLUS to unlock your business's full potential and forge a path towards continued growth and success.



#### Our Promise

With a mission to serve as your Total Solutions Partner, our global team is committed to delivering high quality, innovative solutions and support to help you drive Profitability.

Mark Andy responds to business needs by offering a broad range of equipment, education, support and supplies to printers and converters around the world.

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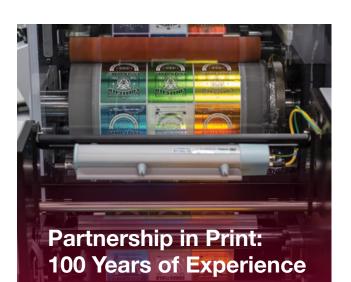




#### **INTRODUCING**



An Attainable Inkjet Platform with Inline Processing



A successful digital hybrid solution that helps you reach your greatest potential is all about having the right technology with the right partner.

Innovation, continuous growth, and 100% customer satisfaction is a common denominator for both Mark Andy and Domino, paving the way for a partnership that brings converters the best of both worlds: the reliability of Mark Andy's award-winning flexo with the proven track record of Domino's leading digital marking technology.

When digital printing is no longer enough to separate you from competition and jobs require inline finishing to be profitable, a production-level digital hybrid solution that offers flexibility is key.

The smart choice for your business, Digital Series iQ is a fully-integrated inkjet press built on a proven Evolution Series flexo platform. Powered by a robust Domino N610i UV inkjet module, it boasts digital brain power and Mark Andy converting excellence.

#### Digital Series iQ delivers:

- Maximum Performance: Productions speeds up to 230 fpm (70 mpm).
- Affordability: An attractive initial capital investment and low cost to print.
- Future-Proof Options: Evolution Series E5 platform provides scalability as business grows.
- Range: Ability to print on many materials with up to 7 UV inkjet colors (CMYKOV+W). Color management on the Mark Andy DFE is wizard driven to G7 standard. Industry standard GRACoL, Fogra, SWOP or ISO profiles can be used as a target on each substrate.
- Efficient Die Cutting: Vertical Die Cassette-Semi Rotary (VDC-SR) cuts changeover time by 80% for operators.

## Hybrid Integration Specialists

As an industry leader in hybrid printing technology, Mark Andy is the benchmark for digital labeling solutions. The combination of in-house inkjet competence, expertise in web handling, and over 300 hybrid installs gives Digital Series iQ the foundation to stand out as the most intelligent and advantaged system of its kind.





Track Record



Installations

## Inside the Engine

Preserving quality and promoting operator friendly interactions are at the core of the iTech technologies within the UV inkjet module. These features maintain desired performance, optimize maintenance, and save time in the pressroom.

i-Tech ActiFlow protects nozzle performance by eliminating air bubbles through an ink circulation system that keeps the print chemistry continuously moving around the head even when printing has stopped.

i-Tech CleanCap automatically cleans print heads, eliminating daily manual wiping and prolonging the life of your machine.

be upgraded in the field as

your business evolves

i-Tech StitchLink provides seamless printing across the entire printbar. Automated print head alignment & image stitching is achieved through micro-moto controller technology. StitchLink offers easy and accurate set-up, and there is no manual stitching of print heads.

i-Tech UltraMix™ ensures continuous white ink circulation to guarantee the pigment remains in suspension all the time.

i-Tech TrapLess reduces the risk of ink conglomeration, preventing nozzle failure.

**Exclusive Load** and Lock Inking System **Future-Proof Framework** Simple and swift for any Built on an upgradeable operator, regardless platform, the machine can of skill level

**Maximum Flexibility Rail System** Unlocks maximum hybrid potential with multi-web construction and embellishments

DIGITAL

Inkjet Technology

ease of use.

High-resolution print heads

from Kyocera, ensure superior quality while maintaining



**Vertical Die Cassette** - Semi Rotary (VDC-SR)

A semi-rotary system with vertical die cassette

reduces waste with easy streamlined set up.

(Scan to see it in action)





## Technical Specifications

Printing Process	Up to 7 color extended gamut digital print (CMYKOV+high opacity white double white) Custom spots with hybrid print stations		
Resolution	600 x 600 dpi		
White Ink Opacity	73% Opacity		
Speed	High-Quality Mode: Up to 164 fpm (50 mpm) High-Speed Mode: Up to 230 fpm (70 mpm)		
Workflow	Esko DFE ScreenPro		
Web Width	13.25 inch (336.5 mm) Max Web Width 8 inch (203 mm) Min Web Width 13.11 inch (317.5 mm) Digital Print Width 13 inch (330.2 mm) Flexo Print Width		
Substrate Range	Pressure sensitive paper and film, unsupported paper & films, light carton and more		
Flexo Repeat Range	5.5-24 inch (140-610mm)		
Die Repeat Range	26 Inch (660mm) max repeat for full rotary 24 Inch (610 mm) max repeat for semi-rotary		
Drying & Curing	UV		
Environment	Optimal temperature range: 68-72°F (20-22°C) Ink Storage: 68-77°F (20-25°C) Humidity level range: 40-60% Dust controlled environment		
Roll Capacity	Unwind and rewind: 40" diameter (1000mm)		

#### **Hybrid Options**

- Cold Foil
- Corona Treatment
- Die Cutting
- **Dual Rewinds**
- Embossing
- Inline Slitting
- Lamination
- **Print Stations**
- Rail System
- Shim Kit
- Shingling Conveyor

- Shrink Kit
- Slitting Scoring
- sMArt link
- Top Coating & Varnish
- UV LED (Flexo Only)
- VDP
- Vertical Slot Semi-Rotary
- Vision System
- Waste Wind Up
- Web Cleaning
- Web Turnbar

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## **Applications**

- Durable and Industrial Labels
- Film Labels
- Food and Beverage Labels
- Health and Beauty Labels
- Prime Pressure Sensitive Labels
- Specialty
- And More

#### Our Promise

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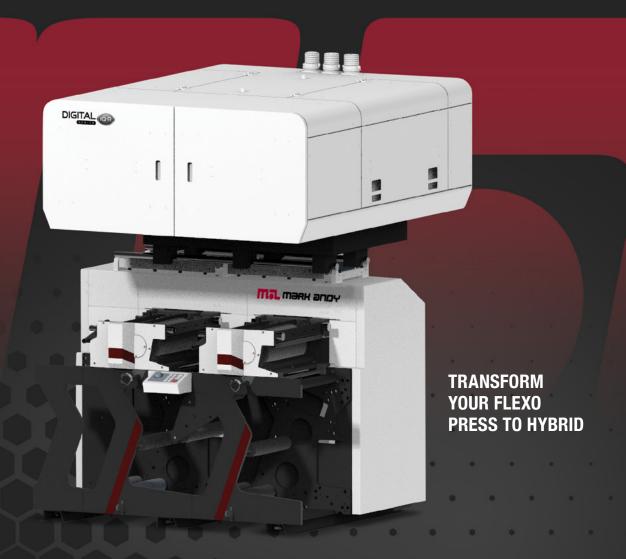
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## EXPAND YOUR APPLICATION RANGE AND YOUR PROFITS.

DSiQ-R is a digital inkjet module designed to seamlessly integrate with Mark Andy Evolution and Performance Series platforms to create a fully hybrid, single-pass production solution. The addition of DSiQ-R to your flexo platform will provide the flexibility to run flexo, digital, or a combination, while opening new market opportunities. Eliminate plate costs and reduce substrate waste on shorter run digital jobs and add capabilities on more complex flexo runs with this simple retrofit.

#### **Technical Specifications**

Print Width	13.1 inch (333 mm)		
Web Width	13.4 inch (340 mm)		
Print Technology	Piezo drop-on-demand inkjet		
Print Resolution	600dpi native, including 4 greyscales (Nominal 1340dpi)		
Colors	4 (CMYK) or 5 (WW+CMYK) color options		
Speeds	164 ft/min   50 m/min <i>(high-quality mode)</i> 230 ft/min   70 m/min <i>(high-production mode)</i>		
Compatible Press Models	Mark Andy Evolution Series Mark Andy Performance Series		
Substrates	PET, PP and Paper Self-adhesive Label Stock		
Service Requirements	380-420V, 3 phase 90-115psi (6-8 bari) compressed air		
Curing	UV Curing Required: Cure requirements are 180W/190W per cm. Currently approved systems are GEW Nuva2 or GEW E4C. Iron-doped lamps. See MA specialist for more details.		
Options	Variable Data Printing (VDP) capability		
Environmental Requirements	<ul> <li>Optimal temperature range 68–72°F (20–22°C)</li> <li>Maximum temperature range 68–77°F (20–25°C)</li> <li>Ink storage 68–77°F (20–25°C)</li> <li>Optimum humidity range 40–60%</li> <li>Dust controlled environment preferred</li> </ul>		

#### **Key Features**

- · Mounted directly onto the press, installation is quick and you're up and running in no time!
- User interface is simple and seamlessly integrates into the existing Mark Andy control system
- · High quality digital production speeds up to 164 ft/min (50 m/min)
- Supports WW+CMYK printing
- · iTech CleanCap and iTech Actiflow minimize maintenance and maximize performance
- · Pricing includes the Digital Front End (DFE), so no new software investment required

#### **Key Benefits**

- · Efficiency improvements and waste savings
- · Augmented application range
- · Supports multi-SKU jobs
- Reduces work-in-process inventories
- Consistent print quality
- · Existing press operators can be trained on the technology



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## **Applications**

- · Tickets, tags & labeling
- Versioning
- Variable Data
- Security Printing
- Pharmaceutical

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ZERO SACRIFICES



## Translate Speed and Configurability into Limitless Opportunity

When it comes to digital, it's about having the right technology with the right partner to help you reach your greatest potential.

The Digital Series HD, designed with Business Responsive Technology®, is the first true production-level digital solution — combining highly configurable in-line converting and processing with high-quality digital printing at production-level speeds. The result is a true system architecture that delivers the best total cost of operation of any digital solution available on the market today.



## More than Productive: **Profitable**

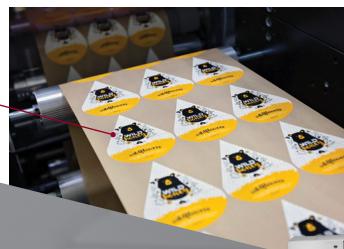
Leveraging the advantages of digital printing with the capabilities of flexo decoration and converting in a single pass proves to be the most profitable total production solution.

Digital Series HD has been proven to yield over \$200,000 USD in weekly revenue for it's users. **98% of Mark Andy digital hybrid customers also report** 

## QCDC-SR Inline Semi Rotary Diecutting

The award-winning Mark Andy QCDC technology removes the bottleneck of long die changeovers and slower matrix stripping speeds. Upon installation, you will see immediate improvements in job change-over and setup times, as well as a significant savings in material waste. Implementation of QCDC provides:

- Customizable: The ability to select Semi-Rotary (QCDC-SR) or full rotary QCDC modules
- Fast die changes: 30 seconds or less
- Ergonomic slide-in die change: No hoist or heavy lifting for the operator
- Longer die life: Limits die damage caused by cumbersome loading and unloading processes
- High-speed matrix stripping: Matches maximum Digital Series HD press speeds
- · More accurate, more consistent die cutting



## A Complete Workflow Mark Andy ProWORX

Mark Andy ProWORX is a 'one box' solution that enables superior and consistent control between the Mark Andy Digital Series HD and the digital file management used by converters. It is the ideal DFE for a large multi-press, multifunction hybrid printing environment or as a dedicated single digital press operation.

## Today's Press on Tomorrow's Platform

#### **A Guaranteed Digital Growth Path**

To help you maintain a competitive edge, Digital Series HD is designed to be upgradable, taking advantage of any future technology advancements or new application requirements. The press is available in 5 through 8 color configuration options and can support integrated inline or future-proof inline converting. Your investment in digital is de-risked and protected, like never before.

## Extended Gamut Printing at True Production Speeds

Digital Series HD is available in 5 and 8 color configuration options, unlocking a world of potential through extended gamut capability. Our high chroma ink set consists of CMYK+ high opacity digital white UV ink formulations.

Rivaling traditional rotary screen, Mark Andy's unique digital white provides opacity in excess of 80% and can print at-quality without a tradeoff in speed.



#### **Common Configurations**

5 COLOR	+	ROLL-TO-ROL (Mark Andy Dig	_	sher Optional)
5 COLOR	+	FLEXO	+	DIE
7 COLOR	+	FLEXO	+	QCDC
8 COLOR	+	3 FLEXO	+	QCDC-SR



x2 REVENUE
2 shifts down
to 1 with
digital hybrid



50% TIME
SAVINGS
Produce jobs in half the time



LESS WASTE
Reduce substrate
plate & ink costs



Optimize substrates for

production in a single pass

Industry Leading Inkjet
UV LED pinning lamps
cure after every print bar to
ensure high-quality results
at top speeds

Enhance Labels Inline

Multi-use print stations enable laminates, flexographic spots, varnishes, adhesives, and more Advanced Converting
Full or semi-rotary
die-cutting
options available



## **Technical Specifications**

Press Speed	240 fpm (73 mpm) at quality with all colors		
Printing Process	Up to 8 color extended gamut digital print (CMYKOGV+high opacity white) Custom spots with hybrid print stations		
Press & Print Width	17.25 inch (438 mm) Web Width 16.8 inch (426 mm) Digital Print Width 17 inch (432 mm) Flexo Print Width 13.25 inch (336 mm) Web Width 12.5 inch (317 mm) Digital Print Width 13 inch (330 mm) Flexo Print Width		
Substrates	Pressure sensitive paper and film, unsupported paper and films, tag stocks, light carton and more		
Visible Print Quality	1200 dpi		
Flexo Repeat Range	5.5 – 24 inch (140 – 610mm)		
Die Repeat	24 inch (610mm) maximum		
Workflow	Mark Andy ProWORX DFE powered by Esko® and Global Graphics Digital Front End (DFE)		
Drying & Curing	UV for digital print module ProLED, UV, hot air for in-line options		
Unwind/Rewind Capacity	40 inch (1016mm)		
Software Control	Mark Andy ProVIEW		
Tooling Compatibility	All Mark Andy Performance Series tooling and most rotary die tooling		
Finishing Options	Roll-to-Roll, Conventional Die, Mark Andy QCDC, or Mark Andy QCDC-SR		

#### **Hybrid Options**

- Lamination
- Top Coating
- Varnish
- Hot Foil
- Cold Foil
- Rotary Screen
- Embossing
- QCDC (Quick Change Die Cut)
- QCDC-SR (Semi Rotary Die Cutting)
- Shingling Conveyor
- Slitting Scoring
- Dual Rewinds
- Web Turnbar
- Flexo Printing

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#### **Applications**

- Prime Pressure Sensitive Labels
- Food and Beverage Labels
- Health and Beauty Labels
- Durable and Industrial Labels
- Film Labels
- Specialty
- And More!

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The fastest, most productive, Digital Label Press on the market with single or full-color variable data printing at maximum production speed. The DSHD HIGHSPEED 1200 moves narrow web inkjet printing into a new standard, new dimension or new frontier.



## Run Speeds up to 480 fpm (146 mpm)

- Full 1200 DPI Resolution
- High Opacity White
- Invisible/Security Ink
- Single color or Full color VDP



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## **HIGH Speed. HIGHER Value.**

- High productivity = **More labels** per shift
- Powered by the Mark Andy's new **ProWorx Digital Front End**
- High color gamut with CMYK+O+V+G available
- Moves Flexo to Digital crossover point by up to a 60% increase
- The DSHD HIGHSPEED 1200 has the shortest ROI of any Digital Label Press in the market
- Limitless Configuration offerings: From Roll-to-Roll up to Hybrid with inline embellishment and converting





CMYK + WHITE DRY TONER ELECTROPHOTOGRAPHY



LOWER COST TO PRINT. FASTEST PRODUCTION SPEEDS.

MAXIMUM CONFIGURATION FLEXIBILITY.



Mark Andy's new flexible platform allows you to start in a Roll to Roll configuration and add Flexo and converting features as needed when your business grows. You can add flexo print stations, turn bars, cold-foil, lamination, Semi rotary Die cutting, sheeting, slitting and much more.

#### Technical Specifications

Printing Process	CMYK Dry Toner Configuration or CMYK + White Dry Toner Configuration
Speed	130 fpm (39.6 mpm) CMYK 65 fpm (19.8 mpm) White
Print Repeat	7.5 - 50.5 inch (200mm - 1294mm)
Print Width	3.54 - 12.5 inch (90mm - 318 mm)
Supported Material	Paper, BOPP, PET, PP, unsupported paper, tag stocks, vinyl, and foil.  Approved media list available upon request
Material Width	10-13 inch (254-330 mm) material
Roll Capacity	30 inch (762 mm) unwind   Max 500lbs 30 inch (762 mm) single rewind or 20 inch (508 mm) dual rewind
Environment	40% - 60% Relative Humidity - 21C to 26C
Flexo Press and Converting Options:	Flexo Print Stations, Turn-Bar, Web Cleaner, Lamination, Cold Foil, Slitter, Semi-Rotary Die Station, Sheeter, Waste Wind Up, Dual rewind.



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