

PERFORMANCE
SERIES



Technically Superior. Outstanding Productivity.

MA MARK ANDY

A Platform with Endless Possibilities

A result of passionate engineering and innovation, our award-winning, best-in-class Performance Series P7 is the most advanced offering in the Performance Series line. The P7 is the high-end, efficient solution for the most complex print applications. Designed to drive profitability in a highly competitive and rapidly evolving industry, the Performance Series platform redefines workflow productivity through its simple design, efficient waste savings and extremely fast changeovers.

The fastest selling platform press in narrow web history was developed with Business Responsive Technology to address your needs and impact your bottom line. Converters around the world have found that they are achieving optimum efficiency and productivity with their investment which has sometimes proven to be a two-for-one replacement over traditional models.

Food-Grade Lamination Solution

Add Solventless Lamination Capabilities to the P7

Mark Andy provides the solution for converters looking to grow their operations by efficiently and safely running flexible food packaging jobs.

Features:

- In-line solventless technology with low-migration adhesive
- No pre-mixing of adhesive compounds
- Slitting within hours of lamination
- Right-sized quantities of specially formulated adhesives available only through Mark Andy Print Products



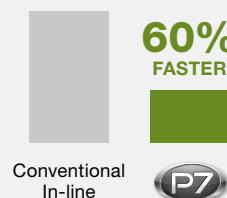
QCDC® (Quick Change Die Cut®)

Now Available With Semi-Rotary (QCDC-SR)

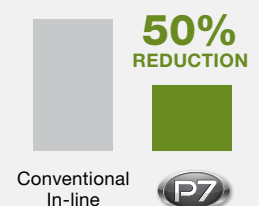
The award-winning Mark Andy QCDC technology removes the bottleneck of long die changeovers and slower matrix stripping speeds. Upon installation, you will see immediate improvements in job change-over and setup times, as well as a significant savings in material waste. Implementation of QCDC provides:

- 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 Performance Series press speeds
- More accurate, more consistent die cutting

Changeover Time



Material Waste



Technology that Delivers Peak Performance

It takes an exceptional press to take on the most challenging of jobs. With intuitive, dual servo controls and a fully-automated registration system, the Performance Series P7 provides opportunities like never before.

Intelligent Design

- Dynamic dual servo control with optimized programming
- Independent motion control and independent web tension broadens the range of applications and machine capabilities
- Fully automated registration system delivers the highest quality, with world class registration
- Integrated plant floor and remote diagnostics

Proven Agility

- Wide substrate range — capable of printing sophisticated label and film package decoration
- Common web paths — no need to re-web the press
- FlexFrame - enhances flexible reconfiguration
- Accommodates LED, UV, UV/chill drum, and hot air designs
- Strong, simple rail system for easy movement of advanced decoration options

Ultra-efficient Operation

- Intuitive operator interface and membrane controls at each station
- Automatic load-and-lock inking system — combines several steps in one quick motion
- Quick change print station setup and changeover - sets up in less than 30 seconds
- Open access design — no obstructive covers or guards
- Fewer operator adjustments
- Fully-automated pre-registration and re-registration available

Exceptional Print Precision

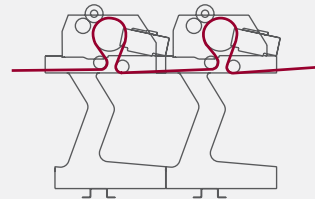
- Full 360 degree registration adjustment
- Controlled ink density
- High quality dots — consistent plate roll impression
- Simple, repeatable settings maintain quality job to job



Lean & Efficient Web Paths

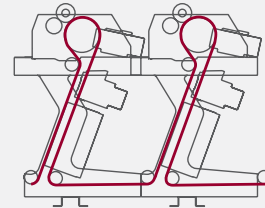
Shorter web paths mean less material in press and less material wasted

ProLED with Chilled Impression Roll



Shortest web path —
53 inch (135 cm) between print heads.

Hot Air & ProLED Combination



Efficient web path for maximizing both hot air and UV chilled or non-chill applications. No re-webbing needed.

Digital Plus Screen Enhancement

Delivering screen-like white in-line

Mark Andy provides a solution to add digital screen capability to the Performance Series P7. Offering digital white opacity comparable to rotary screen or flexo white, as well as variable data printing (VDP), the Digital Plus Screen module augments converter capabilities and improves productivity.

Benefits:

- Speeds up to 240 fpm (73 mpm)
- Streamlined art to print workflow
- Affordably achieve dimensional print



Specifications & Configurations

The modular, dual servo Performance Series P7 platform can be configured to support a broad range of applications. Proven to deliver a more consistent quality and faster turnaround than its competitors, the P7 allows you to take on complex constructions, offer a multitude of value-added enhancements and expand into film and shrink markets.

P7	Imperial	Metric
Web Width	10/13/17/20/22 inch	250/330/430/508/558 mm
Max Speed	1000 fpm*	305 m/min*
Substrate Range	.5 mil – 18 pt	12 – 450 micron
<i>Machine configuration is based upon desired substrate capability</i>		
Print Repeat Range	5.5 – 24 inch	140 – 610 mm
Die Repeat	24 inch max	610 mm max
Unwind Capacity	40 inch	1016 mm
Rewind Capacity	40 inch	1016 mm

Features

Drive System	Independently servo-driven web transport and tooling
Registration	Auto-registration Pre-registration Re-registration Insetting VariPrint Point registration (optional) Pivot registration (optional)
Print Station	Exclusive open design with load-and-lock technology
Die Cutting	In-line rotary die cutting QCDC® (Quick Change Die Cut®) QCDC-SR (Semi Rotary)
Drying & Curing	High-efficiency hot air drying Single UV or Dual UV (chill drum optional) Combination hot air and UV ProLED UV LED Electron Beam (EB)
Backside Printing	Web-reversing options available

Options

Hot Foil	Cold Foil
Embossing	Dual Web Paths
Dual Rewinds	Rotary Screen
RFID Insertion	Film Configurations
1000 fpm (305 m/min)	Rail System
Lamination (UV, Water based, or Solventless)	
Digital Plus Screen	

**With high speed configuration*

For individualized configurations, our Custom Design Team can develop a variety of printing and converting solutions to meet many specialized applications. Ask your representative about all available options.

Applications

- Bottle Wraps
- Film
- Unsupported Film
- Film Labels
- Prime Labels
- In-mold Labels
- Light Cartons
- Industrial/Heavy Duty Labels
- Roll-fed Labels & Wraps
- Shrink Sleeves
- Specialty
- Tags & Tickets
- Wine & Spirit Labels
- Extended Content Labels
- Food-grade Flexible Packaging

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.

Partnering with Mark Andy means access to leading global brands with **Mark Andy** narrow and mid-web printing presses, **Rotoflex** finishing solutions, and a complete line of **Mark Andy Print Products** consumables and pressroom supplies. All Mark Andy products are supported by the largest customer service team in the industry, committed to delivering spare parts, technical service, PM programs, retrofits and rebuilds, as well as dedicated hands-on training through **Mark Andy University**.

For your local representative go to markandy.com/dealerlocator

Global Headquarters

18081 Chesterfield Airport Road
Chesterfield, MO USA 63005

Tel +1 800 700 6275

Fax +1 636 532 1510

Email info@markandy.com

