

PERFORMANCE  
SERIES



Undeniable Power. Unquestionable Performance.

**MA** MARK ANDY

# Redefining the Flexo Landscape

Designed to drive profitability and respond to your customer's demands, the Performance Series P5 is the best solution for high productivity pressure-sensitive applications. Its servo-based platform redefines productivity through its simple operation, superior print quality, extremely fast changeovers and efficient waste savings — even on short run jobs.

Built from the ground up with Business Responsive Technology, the award-winning Performance Series offers efficiencies for a competitive advantage. It provides the tools to enhance productivity to industry-leading levels, meet production targets and ensure customer satisfaction. The P5 is the best-selling Performance Series model and has exceeded expectations around the world.

## Business Responsive Technology

Redefining Label and Package Printing Production

Technology at Mark Andy starts with our vision — to be responsive to converter needs by developing solutions that are superior in quality, highly productive and increase profitability.

Continuous innovation that offers unparalleled long-term benefits — it's what we call Business Responsive Technology.



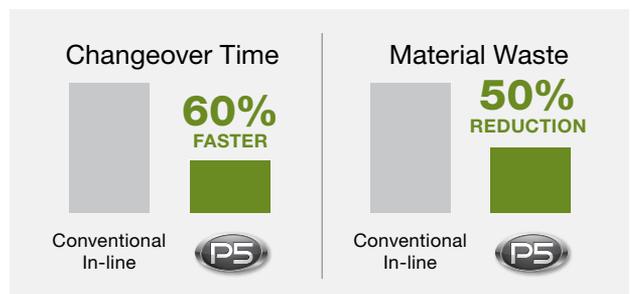
## QCDC® (Quick Change Die Cut®)

Proven to Drive Extreme Efficiency

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

Implementation of QCDC provides:

- Fast die changes — 30 seconds or less
- Ergonomic benefits for the operator — no hoists or heavy lifting
- Longer die life — limits die damage caused by cumbersome loading and unloading processes
- Realization of high-speed matrix stripping — matches maximum Performance Series press speeds
- More accurate, more consistent die cutting



# Boost Production & Improve Margins

The Performance Series P5 features the most innovative print station and die cutting platform design in the industry. The P5 is engineered for the converter looking to achieve servo-driven productivity and high quality levels at an appealing value.

## Superior Flexibility

- Wide substrate range — capable of printing sophisticated label and film package decoration
- Common web paths — no need to re-web the press
- FlexFrame — creates additional options at each station
- Accommodates UV, UV/chill drum, ProLED and hot air designs
- Strong, simple rail system for countless configurations and applications

## Rapid & Repeatable Changeovers

- Automatic load-and-lock inking system — combines several steps in one quick motion
- Swift 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

## Advanced Print Quality

- Tight registration performance
- Controlled ink density
- High quality dots — consistent plate roll impression
- Simple, repeatable settings maintain quality job to job

## Reduce Waste

- Shorter web paths mean less material in press and less material wasted
- Intelligent auto-registration system

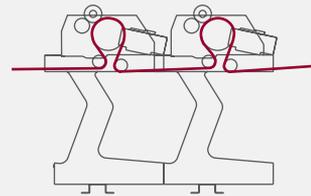
## Redefine Profitability

- Increase output and reduce overhead
- Enhance capacity
- Accommodate short and long runs



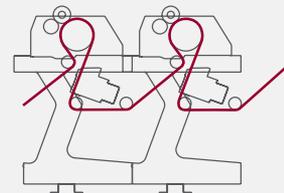
## Lean & Efficient Web Paths

### UV with Chilled Impression Roll



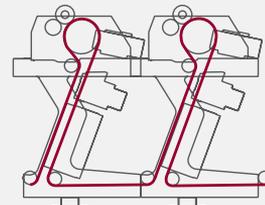
Shortest web path —  
53 inch (135 cm) between print heads.

### UV without Chilled Impression Roll



Extremely short web path —  
70 inch (178 cm) between print heads.

### Hot Air & UV Combination



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

## Specifications & Configurations

Building on the unique print station design common to all Performance Series presses, the P5 is focused on productivity and efficiency. Its modular servo platform can be configured to support a variety of pressure sensitive and film applications.

P5	Imperial	Metric
Web Width	10/13/17 inch	250/330/430 mm
Max Speed	750 fpm	230m/min
Substrate Range	.5 mil – 14 pt	12 – 356 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	Independent servo drives and motors with self-diagnostics
Registration	Auto-registration Re-registration VariPrint Pre-registration (optional) Insetting (optional) Mark-to-Mark (optional) Motorized Side Adjust (optional)
Print Station	Exclusive open design with load-and-lock technology
Die Cutting	In-line rotary die cutting QCDC® (Quick Change Die Cut®)
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 Rewinds
Rotary Screen	Film Configurations
Rail System	RFID Insertion

Lamination (Standard or Solvent-Free)

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
- Light Cartons
- Paper Labels
- Industrial/Heavy Duty Labels
- Secondary Labels
- Shrink Sleeves
- Specialty
- Wine 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](http://markandy.com/dealerlocator)

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