

# LF•200/260 LG•200/260/330/380 LS•68/100 Smart•Set 2000®

The **RDP Marathon®** family of packaging presses have been designed specifically for printers who want to keep up with the demands of the packaging industry while having the flexibility to pursue new business opportunities.

Engineered to optimize combination technology these versatile platform presses provide interchangeable offset, flexo and gravure printing inserts. Roll-out insert trolleys allow fast, safe, and toolless changeover simplifying costly configuration set-ups required to meet individual market needs.

Capable of printing on a wide range of substrates, including film, IML, foil, paper, and carton, these presses are available in configurations of up to 10 standard printing units, can be equipped with STORK® rotary screen technology, and specialty finishing stations including hot foil stamping, die cutting, embossing, and in-line imaging.

The rigid construction of RDP presses allows running at maximum speeds, while the superior inking capabilities of the 4-form and 5-form roll designs with integrated dampener ensures superior ink laydown at all production speeds. Every RDP press combines years of expertise along with the flexibility to customize individual presses to suit specific needs and requirements.

## LF Series

Available in configurations of up to 10 standard printing units with traditional finishing stations for punching, perforating, rewinding, sheeting and folding, the LF litho/flexo combination press has been designed to address the needs of today's label and folding carton market. Interchangeable web offset and flexo printing inserts – with toolless changeover in minutes – provide

the flexibility to minimize waste and maximize productivity. Cutoffs range from 14" to 28", further increasing its flexibility and ability to produce a wide range of work.

## LG Series

Engineered for the high-end label and packaging markets, the LG litho/gravure variable size combination press is capable of producing the most demanding color and line work while maintaining maximum efficiency in production. Also available in configurations of up to 10 standard printing units with traditional finishing stations, the LG presses also have flexo and UV capabilities making it a solution that is flexible and cost effective for applications requiring maximum efficiency and superior print quality.

## LS Series

RDP's newest series, the result of several years of R&D and meticulous evaluation of sleeve technology, has produced the **Sleeve Offset Lithographic Independent Drive (SOLID™)** technology. Ideally suited for packaging printers who require a wide range of sizes and run applications on a broad range of substrates, the LS offers offset print quality at the affordability of sleeve size change. The LS's solid metal mandrel design provides the highest degree of rigidity available in sleeve design resulting in superior print quality.



LF•200/260 Press layout

## Smart•Set 2000®

The **RDP Smart•Set 2000®** press control system is designed to control all press functions, including set-ups without web movement, on easy-to-read, easy-to-use touch screen graphic displays accessible from both the main console and individual print units. Its open architecture design provides job storage and retrieval, modem interface for remote systems diagnostics, can integrate seamlessly with management software, and supports digital workflow protocols including CIP4.

## Web Features at a Glance

- Litho units accept interchangeable litho and flexo inserts
- Gravure units accept interchangeable gravure and flexo inserts
- Precision gear boxes
- Dynamically balanced torque tube drive line for precise power transfer
- Individual unit drive for fast make ready
- Motorized lateral and circumferential register control
- Gear-driven ductor-style inker
- **Smart•Set 2000®** press control system
- Complete press and job control, storage, and retrieval
- **OPTIM+™** advanced information system

## Optional Equipment

- Servo drive
- Lap or butt splicer
- Multi-web configuration
- Flexographic units and inserts
- Gravure units
- STORK® rotary screen module
- Centralized ink key control
- Automated register control
- Automated unit wash-up
- Ink agitators
- Waterless ready
- Coating unit
- UV curing system
- RF dryer
- Infrared dryers
- Rotary or flatbed die cutting
- Pattern perf
- Embossing
- Rotary hot foil
- Lamination
- Variable imaging and bar code provision
- Video web inspection
- Turret rewinder
- Fixed or variable cut-off sheeters

## LF Series Features

- 20" (508 mm) and 26" (660 mm) print widths
- Speeds up to 1200 fpm (365 mpm)
- 4-form roller design

## LG Series Features

- 20" (508 mm) to 38" (965 mm) print widths
- Speeds up to 1800 fpm (550 mpm)
- 4-form and 5-form roller designs

## LS Series Features

- 26" (660 mm) and 38" (965 mm) print widths
- Toolless changing of lightweight plate and blanket sleeves
- Infinitely variable
- Solid, metal mandrel design
- Precision independent servo drive of plate and blanket sleeves
- Independent substrate tension control



LF Series inker



LG Series inker

Ole Nielsen, President, Interket Trykkeri A/S:

"With the **LF•200**, we can run twice as wide and more than twice as fast as each of our existing three letterpresses, and can print on a broader range of substrates including IML, carton and film. In my 22 years of experience in printing, one of the greatest technical achievements is **RDP Marathon's** combination press technology. What's impressive is the tremendous register system, print quality and reliability at high speeds."

Cedric Copin, Product Development Manager, Renaissance Mark:

"We have always challenged the **RDP LG•200** with new substrates and other variables that will enhance the products. We've expanded from sheet to roll and now we can emboss, perforate and laminate in line as well as incorporate the flexo process and gluing capabilities. Every time we have wanted to challenge the press it has come through."

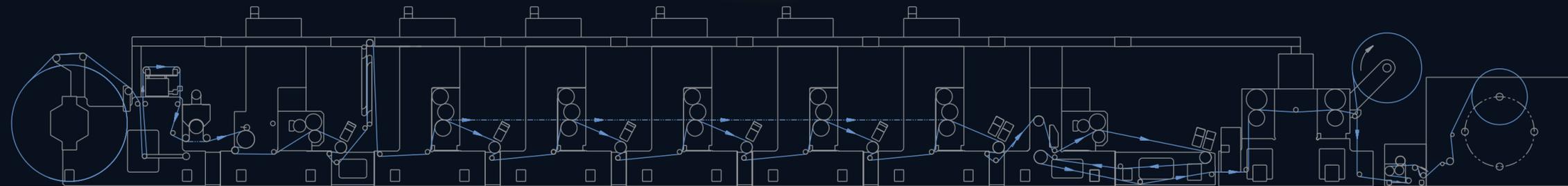


Dave McAdams, press-room manager, McAdams Graphics:

"Make-ready and running waste are minimal, and our production numbers on the **RDP** press are just fantastic. It's the most performing press on the floor."



**Engineered for Flexibility**



# Engineering • Manufacturing • Service • Sales



LF•200



LG•200

**R**eliable.  
**D**urable.  
**P**recision.

The standard of excellence established by RDP engineering is maintained in the manufacturing of all RDP presses, assuring the high quality printer of reliable, durable and precision products. RDP will settle for no less than complete customer satisfaction with every product and service provided – from initial solutions design, through installation, to after-sale support.



**RDP**<sup>®</sup>  
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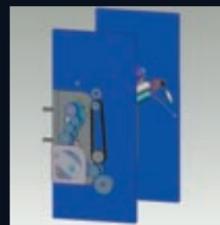
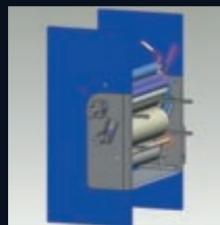


## Engineered for Flexibility

For more information, contact RDP Marathon today.



RDP SOLID™ (Sleeve Offset Lithographic Independent Drive) technology provides even greater flexibility to packaging printers.



Patent Pending

	LF•200		LF•260		LG•200		LG•260		LG•330		LG•380		LS•68		LS•100	
General specifications*	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
Maximum web width	20.5	521	26.5	673	20.5	521	26.5	673	33.5	851	38.5	978	26.5	673	38.5	978
Maximum print width	20	508	26	660	20	508	26	660	33	838	38	965	26	660	38	965
Maximum speed	1200 fpm / 365 mpm				1500 fpm / 450 mpm				1800 fpm / 550 mpm				1500 fpm / 450 mpm			
Litho repeat range	14" - 28"		17" - 28"		17" - 28"		17" - 28" or 24" - 36"		24" - 36"		24" - 36"		24" - 36" / 610 - 910 mm			
Flexo repeat range	12" - 28"		17" - 28"						15" - 30"							
Gravure repeat range					15" - 30"											

\* Specifications are subject to change without notice.



Variable Cut-off Web Offset Presses for Labels, Packaging and Folding Carton



**RDP**<sup>®</sup>  
MARATHON inc.