

THE UNFAIR ADVANTAGE

ASAP SYSTEM | 8-UP+ | LED-UV CURING
16,000 SPH | SINGLE PRESSMAN OPERATION



RYOBI MHI
Graphic Technology Ltd.



9 SERIES

graphco
print. finish. communicate.

The RMGT 9 SERIES

Plate Size & Usage Comparison Producing 16 Page Signature



RMGT 9 Series

Measuring 36"W x 26"H the RMGT 9 Series only has an efficient 8% waste while producing a 16 Page Signature

8% Wasted Space

36"



The Competition

Komori GL 40 & Heidelberg XL 105

32"



41"

Komori GL 40 & Heidelberg XL 105

Measuring 41"W x 32"H, both the Komori GL 40 and the Heidelberg XL 105 have a staggering 34% wasted space while producing a 16 Page Signature

34% WASTED SPACE

The tale of the tape: RMGT 920

936 Square Inches Total Plate Surface
-864 Square Inches Total Image Area
72 Square Inches Wasted Plate

Average Plate Cost: \$5.85

Savings Per 4-Color Job (Versus 40" Press): \$9.39

8 Run / Shift = \$75.12 / Savings Per Shift

21 Days Per Month = \$1,577 / Savings Per Month

Annual Savings Per Shift = \$18,930

Annual Savings Per Two Shifts = \$37,860

Annual Savings Per Three Shifts = \$56,790

8% Waste Factor with 4 Plates: ONLY \$1.87

LO\$T Profit: 40" Running 16-Pager

1,313 Square Inches Total Plate Surface
- 864 Square Inches Total Image Area
448 Square Inches of Wasted Plate

Average Plate Cost: \$8.20

34% Waste Factor Per 4-Color Job: \$11.15

8 Run / Shift = -\$89.20 LO\$\$ Per Shift

21 Days Per Month = -\$1,873 LO\$\$ Per Month

1 Shift: Annual LO\$\$ = -\$22,478

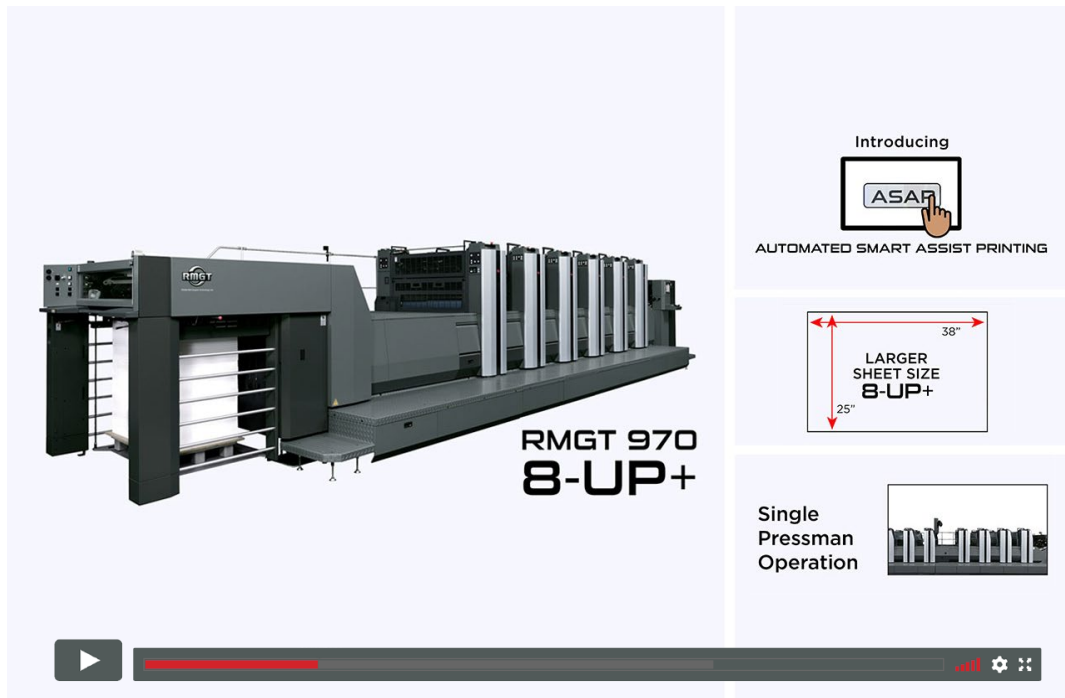
2 Shifts: Annual LO\$\$ = -\$44,956

3 Shifts: Annual LO\$\$ = -\$67,434

8-UP+ FORMAT

Versatile | Flexible | Profitable

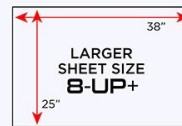
"The Market Spoke and RMGT Listened"



Scan the QR Code below to see the new RMGT 970 press running live!



Introducing
ASAP
AUTOMATED SMART ASSIST PRINTING



Single
Pressman
Operation



The RMGT 9 Series Difference

The new 8UP+ RMGT 970 offset press handles numerous print jobs with exceptionally high performance. Joining the proven 920/940 models in our extensive 8UP lineup, the new 970 is available in straight and convertible perfectors in up to ten colors. The 970 model is designed to accommodate an even wider range of jobs with a sheet size up to a maximum of 38" in width and has successfully adopted many of the sophisticated functions found in the flagship RMGT 10. The high-speed feeder, automatic nip checking function, and a host of other performance-enhancing features ensure that the RMGT 9 delivers consistently high productivity, even when it's

staffed with only one press operator.

The RMGT 9 Series brings printers of all sizes access to the reliability, versatility and superior cost performance they need to compete and win in every facet of the offset print world. Available in three sizes, the RMGT 9 Series can be specified in many configurations along with a host of today's most important automation features like simultaneous plate changing, and RMGT's revolutionary Insta. Color. RMGT 9 Series users enjoy lightning-fast make-ready, extremely low paper waste and unparalleled print quality all in an incredibly affordable package.

In the U.S. commercial print market, the 16-page signature is king, and no other press is better at producing this most popular finished size at quality levels, production speeds and, most importantly, at a production cost that provides The Unfair Advantage that printers need.

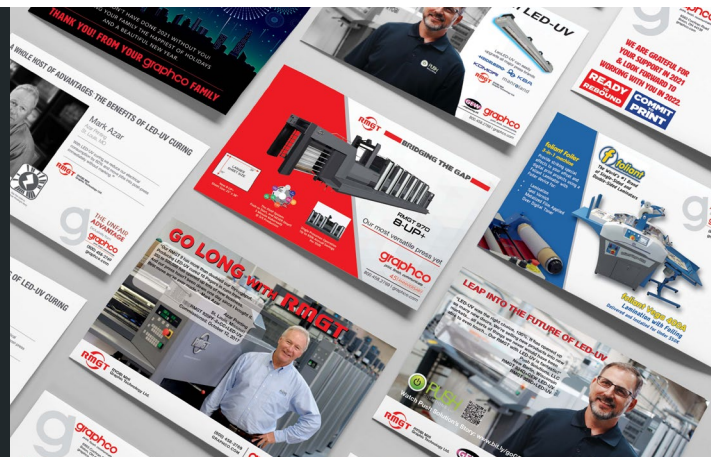


Print 16 Pager @ 9" x 12" Format

Adding 9" X 12" booklets to the mix will be a plus in further bridging the gap between copiers and 40" presses



Print 32 UP @ 6" x 9" Postcards



Print 4 UP Covers @ 12" x 18"



Source 25" x 38" Cover Weight Stock with Ease



Single Pressman Operation

RMGT Automation | Compact Footprint User-Friendly Design



Scan the QR Code below to see John Dahlke break down the math behind the savings.



The Math Behind the Savings

Over 80% of RMGT 9 Series presses running in North America are running with a single pressman. Based on the rapid growth and great profitability that these companies have experienced, this approach has been successful in over 1,300 shops worldwide. "Many of our customers have found that running their 9 Series with a single pressman has allowed them to run two shifts for just a bit more labor cost than running one shift with a first and second pressman," states Chris Manley, President of Graphco. "The RMGT 970 now offers this exceptional cost performance with even higher productivity, flexibility and the ASAP system that raises the single pressman's throughput by further assisting his operation of the press."

The ability to staff a highly automated RMGT 8-UP press with a single pressman was important for profitability and flexibility prior to March of 2020, but as the printing industry recovers from the economic results of COVID-19, reducing per shift staffing costs will bring greater profitability to pressrooms who take the 9 Series approach to manufacturing. "The new 970 long perfecter runs at 15,000 SPH and with the ASAP system one pressman will easily maintain a highly productive workday as the automation assists his potential. Our one and done approach will grow even stronger with the major innovations of the new RMGT 970 press."

Smart Insta.Color technology has proven itself with fast make-ready times for many years, and the release of the ASAP (Automated Smart Assist Printing) system allows pressmen to enjoy an entirely new level of automation and autonomous press operation in the 8-UP press format. With ASAP, the pressman touches one button and the entire printing process—from ink and paper presetting, blanket and impression cleaning, and plate changing through verification of test printing, register adjustment, ink density adjustment, and full sheet inspection are all autonomously processed without even pulling a sheet.

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Running our 9 Series press is very easy to do with one pressman. So compared to our RMGT 1050, we can do 16-page signature work with one pressman and reduce our labor cost by about 40%.

John Dahlke,
COO at VISOgraphic

Assisting Your Potential with RMGT

- 82% of all 9 Series Presses Run with One Pressman*
- Second Shift Staffing for Only 40% More than Single Shift Operation w/ Pressman and Feeder
- ASAP & Insta.Color 2.0 Offer Productivity & Profitability
- RMGT Maintenance Time: Lowest in Industry
- \$1,067,040 in Additional Sales Required to Replace \$160,056 in Additional Cost**

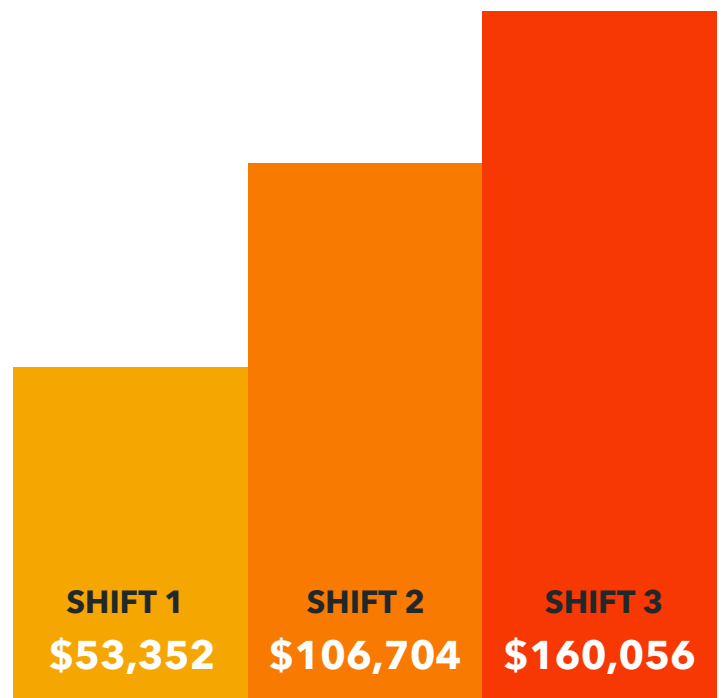
* Based on Survey Results ** @15% Net Operating Cost



Massive Savings per Shift

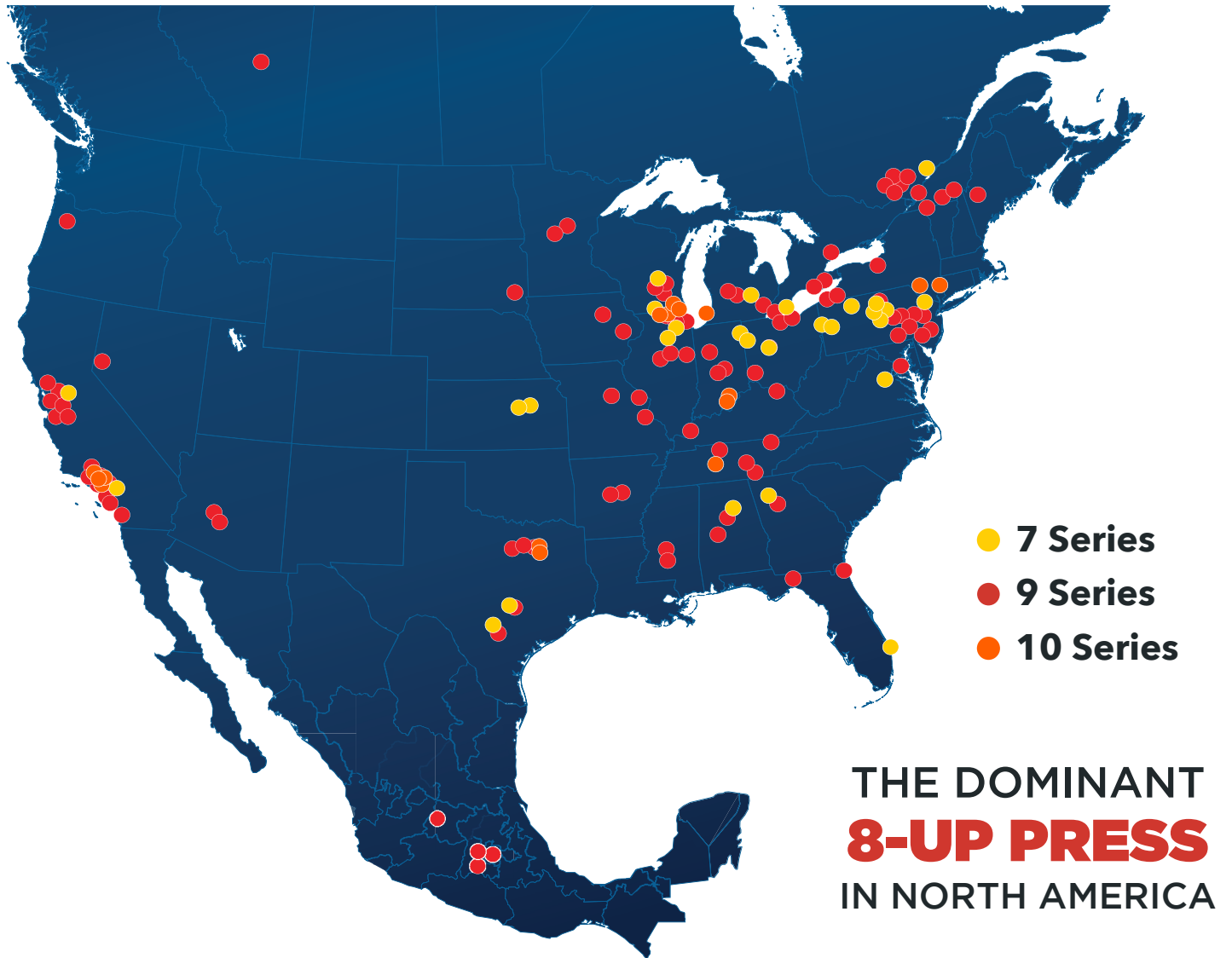
The great thing about ASAP is how modular and flexible the system is and how seamlessly RMGT integrates ASAP into a press. With the complete ASAP system, customers can now fully automate all the manual steps in the job changeover process that have slowed production in the past. A full ASAP system provides autonomous production overseen by an RMGT pressman. RMGT's theme of Assisting Your Potential is fully embodied in the new ASAP system.

Various feeder section operations, settings and checks can be performed via a touchscreen panel, including starting a print run, the counter settings, feeder air presetting, and feeder timing checker. Delivery section settings such as adjustment of the back guide and side guide, as well as adjustment of the delivery fan volume are also performed via a touchscreen panel, greatly simplifying delivery section tasks. Both operation panels are equipped with error description displays and other monitoring functions to assist the press operator.



RMGT: The Unfair Advantage

Over 120 New RMGT Presses
Installed in North America since 2014



The Unfair Advantage: Spreading Far & Wide

During the years between 2015 and 2021 the RMGT 9 Series has taken the commercial printing market by storm with placements of over 100 Presses in shops all over North America. These customers range from relatively smaller emerging printers to some of the largest companies in the industry. But what they all have in common is the reliability, durability and quality that the RMGT 9 Series has provided their businesses.

Making so many placements over such a short period of time is a testament to the RMGT press, and also to

the highly trained Technical Service Team that backs this excellent product. We are also proud to say that numerous printers have now added their second or third RMGT to their pressroom.

Another factor that has made the RMGT 9 Series so successful is our dominance in the LED curing field. This has allowed customers to equip their presses with the latest automation and high value-add features so they can provide higher mark-up printing to their customers.

7 Series

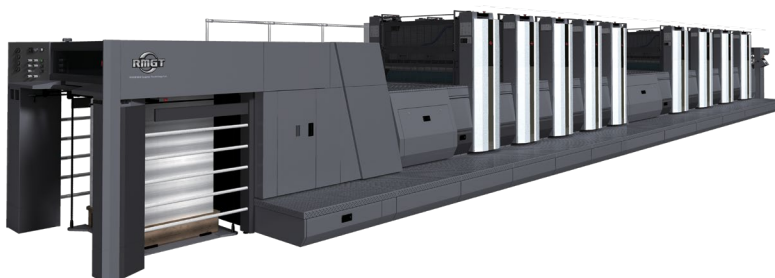
The high productivity and profitability of the RMGT 7 Series offset printing presses meet customers' specific needs for printing and packaging environments. A wide range of unit configurations allows for compatible usage in print shops of many sizes.



9 Series

Reliability, versatility and superior cost performance add up to top performing machines in RMGT's 9 Series. These popular presses stand unrivaled in their appeal to printers who require versatility and excellent print quality. With the RMGT 9 Series, your savings add up to better profitability regardless of run length.

By using a 33% less expensive plate, much lower supply costs, the lowest energy cost and a single pressman operation (in most configurations), the RMGT 9 Series gives its owners an Unfair Advantage in their marketplace. Many of our customers have moved significant print volume from digital to offset for improved print quality and much lower production costs.



10 Series

Digital control systems, together with automation and labor-saving devices, allow tasks to be efficiently performed in parallel, markedly shortening make-ready time. The RMGT 10 offers the latest cutting-edge printing technologies in the 40" and 41" formats.



Lower Energy Costs & Compact Footprint

The RMGT 9 Series Unfair Advantage

\$30,403

Single Shift Energy Cost Savings

\$60,804

Two Shift Energy Cost Savings

\$91,207

Three Shift Energy Cost Savings

RMGT 920PF-8+CC+LED

Total Electric Load: 168.66 Kilowatts

Power Factor of 75%

Actual Power Consumption = 126.5 Kilowatts

Running Hours Per Shift: 7

Avg. kWh Cost in US = \$.1042/kWh

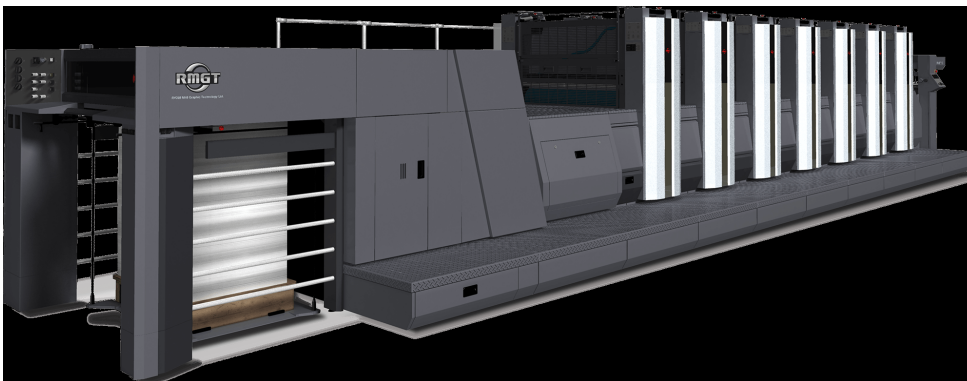
Single Shift Energy Cost = \$92.27

Monthly Energy Cost Per Shift = \$1,937

Annual Energy Cost Per Shift = \$23,251

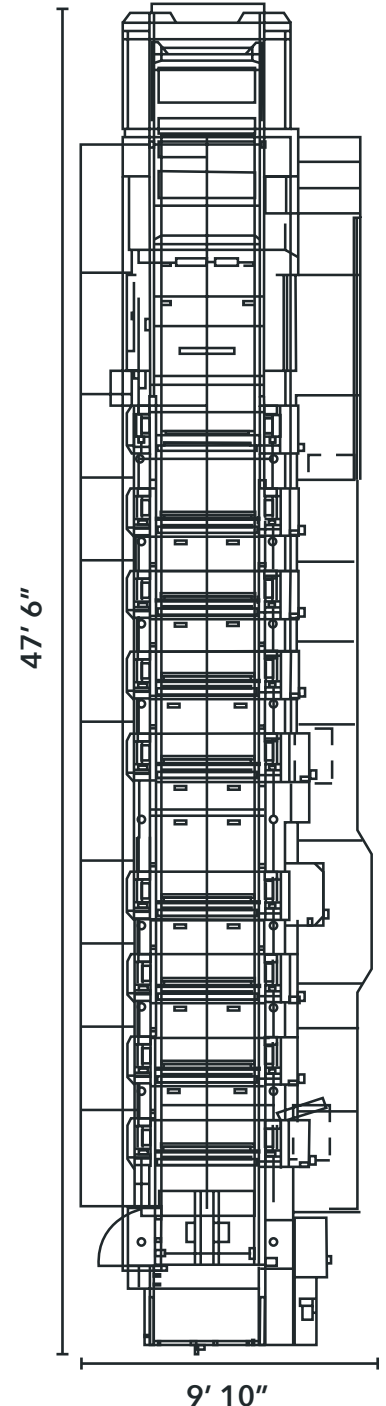
Two Shift Annual Cost = \$46,504

Three Shift Annual Cost = \$69,754



Compact Footprint

- 39% Space Savings
- Walkable by Single Pressman
- Space Saving Design
- Efficient Shop Space Utilization
- Video Link from Feeder to Delivery
- RMGT Automation
- Scalable Technology
- A-OK on 6" Concrete with Rebar
- Super Rigid Subframe



RMGT 920PF-8+CC+LED
467 SQ FEET

RMGT 1050PF-8+CC+LED

Total Electric Load: 389.20 Kilowatts

Power Factor of 75%

Actual Power Consumption = 291.9 Kilowatts

Running Hours Per Shift: 7

Avg. kWh Cost in US = \$.1042/kWh

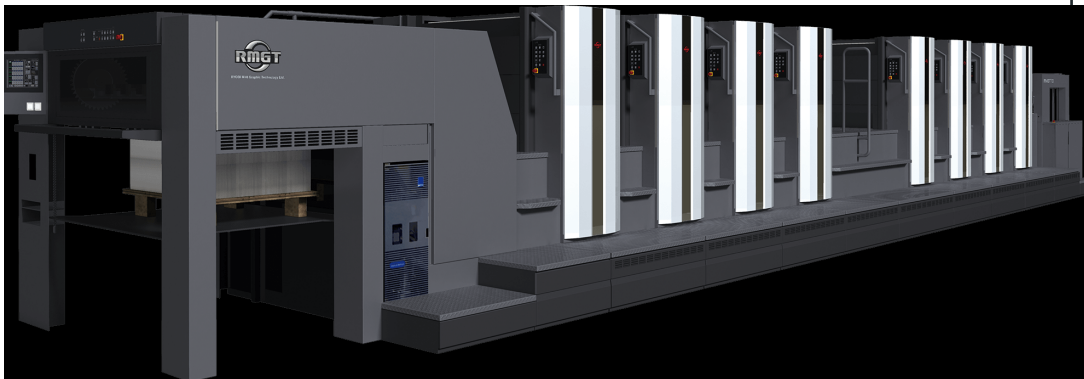
Single Shift Energy Cost = \$212.91

Monthly Energy Cost Per Shift = \$4,471

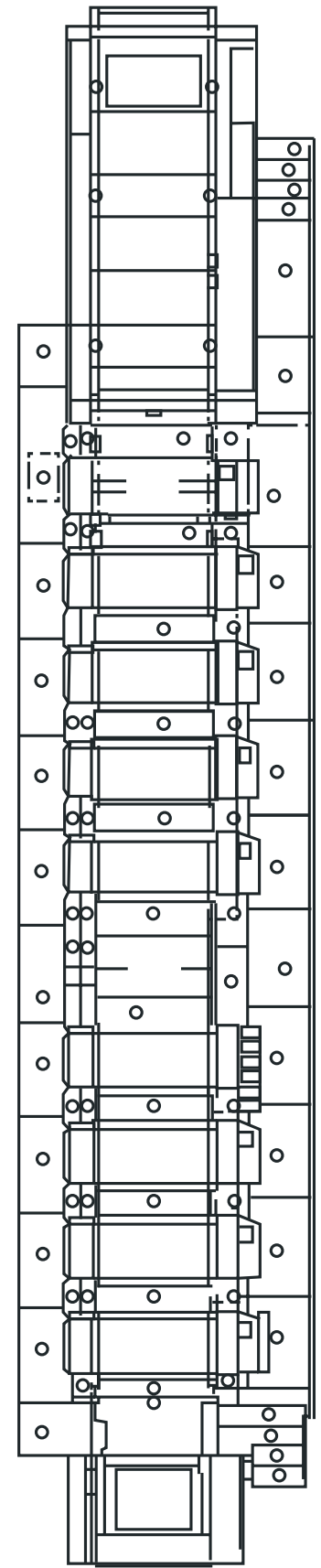
Annual Energy Cost Per Shift = \$53,654

Two Shift Annual Cost = \$107,308

Three Shift Annual Cost = \$160,962



63'

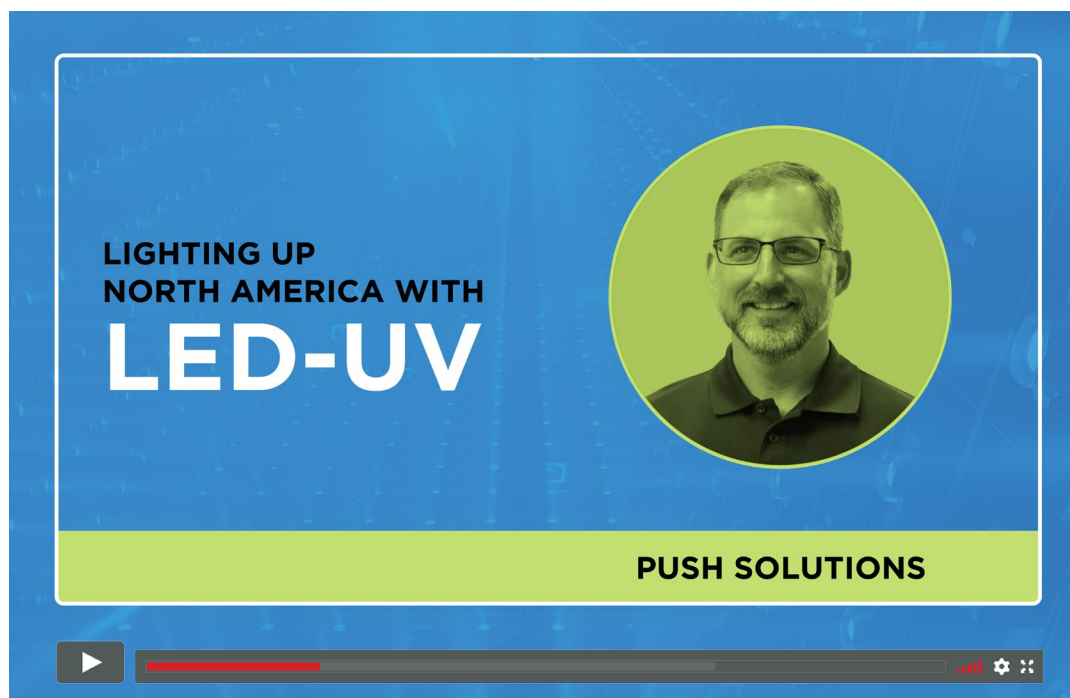


12' 9"

RMGT 1050PF-8+CC+LED
765 SQ FEET

Push Solutions Rapid Growth

The RMGT 9 Series Unfair Advantage



Scan the QR Code below to see the story of Push Solutions Rapid Growth!



The LED-UV Game Changer

When Brad Flagge, Nick Bova and Craig English commissioned their first RMGT 9 Series press powered by LED-UV curing in the spring of 2016, Push Solutions was already on an incredible growth trajectory in the highly competitive Retail Marketing, Retail Packaging and Nationwide Distribution segment of the Print Market. Compared to their legacy Heidelberg equipment, the first RMGT 9 more than tripled capacity, but within 18 months of installing press #1, Push Solutions impressive sales efforts again overtaxed their production.

To be honest our strategic plan didn't include a second RMGT 9 in year 2 since that major investment," states Nick Bova, Vice President, Push Solutions, "but our growth is practically being forced on us so we again worked with Graphco to keep our production levels in line with our sales volume." Push Solutions' President, Brad Flagge, adds, "Our first RMGT 9 has been a great producer for us, and we feel our manufacturing cost is significantly less than our competitors, so pairing up on our second press was a natural." Another clear advantage Push Solutions enjoys is their speed to market due to their RMGT's efficiency and the instant curing of LED-UV.

Even in the two short years since their March 2016 installation, the number of projects that now require three to six or more touches after printing are growing each

week. "Now that we can offer our demanding client base everything from marketing materials, to point of sale signage, and even the folding cartons that contain the products our printing helps sell, we can engage with our clients in so many more ways," comments Bova. Beginning very early in the implementation of their first RMGT 9, it was clear that producing synthetics, plastics, vinyl and foil materials would really leverage the power of LED-UV technology for Push Solutions and today running these substrates is routine. "Our customers love our quality, turn-around time and the fact that our plastics printing doesn't leave an odor like traditional UV. POS is about

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Nick Bova,
Vice President at Push Solutions

more than just print. Delivering a nearly odorless product gives us an edge against many of the old guard plastics houses."

Push Solutions' second 9 Series press, installed in March of 2018, shares a similar configuration to their first press. This includes a full array of RMGT technology like the patented Smart Insta.Color Make-ready technology, 16,000 Sheet Per Hour production speeds and LED-UV Curing along with IR/Hot Air drying to provide Aqueous Coating when it's appropriate for their customers' needs. This press uses LED-UV curing technology provided by Graphco's prime LED-UV partner GEW UV based in Crawley, England.

"We configured this press to allow for the maximum flexibility in docking positions and application options," states Derek Gordon, Midwest Regional Manager for Graphco. "The high output GEW lamp, along with the ability to dock that lamp anywhere on the press was key

to opening up options for Brad and Nick. And GEW's IoT (Internet of Things) approach to tech support means that the GEW lamp curing in New Berlin, Wisconsin is being monitored 100% of the time from GEW's headquarters in England."

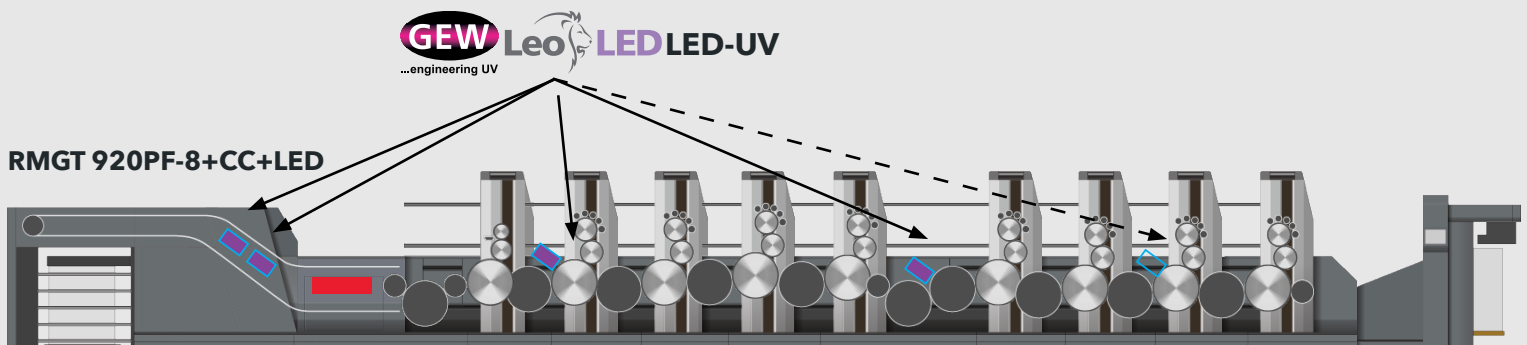
"To say we are proud and pleased to partner with a dynamic and successful company like Push Solutions would be a gross understatement," says Chris Manley, President of Graphco. "It's so rewarding to see folks like Brad, Nick and Craig making such great use of the tools we provide. All the credit for their amazing growth goes to these three gentlemen and the whole Push Solutions team. We are proud of the company we keep." Recently, Brad Flagge has kidded Gordon that he's putting a sign up on the entry to their building warning salesmen that he was out of room and power for any more equipment. Push Solutions' customers might have something to say about that.



- Instant Drying
- Print On Plastics
- Sharper Dots, Vibrant Colors
- No Marking and Scratching
- No Spray Powder or Sealers
- More Cost Effective than H-UV
- Movable Between Print Units

Modular Lamp Array (MLA)

- Affordable
- Light Weight EZ Movable Option
- IoT Technology: 24/7 Maintenance
- Built-in Redundancy



Special Applications: RMGT & GEW Grow with Your Business

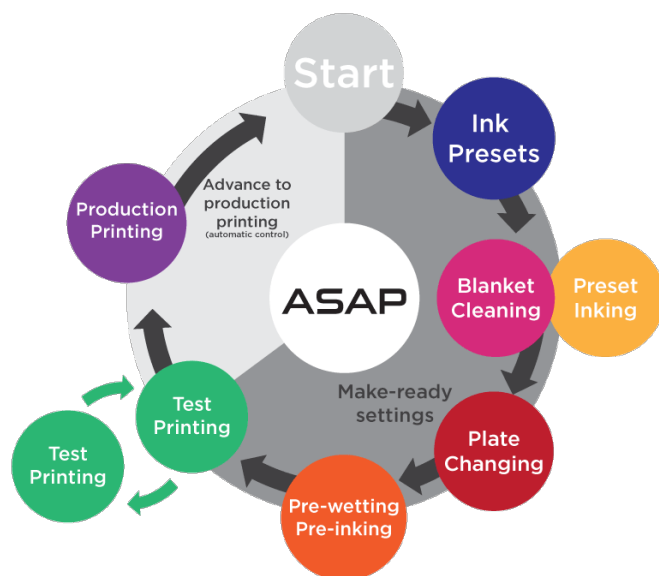
- LED-UV Curing 1-8 Colors: No Coating Needed
- LED-UV Curing 4/4 Colors: No Coatings Needed
- LED-UV Curing 1 - 8 Colors Printed + Coating & Special Effects
- LED-UV Curing 1 - 8 Colors Printed + Coating & Special Effects
- Instant Curing of Uncoated, Textured and Pearlescent Stocks
- Special Effects Print: Bigger Impact for Higher Profits
 - High Gloss
 - Satin Gloss
 - Matte Finish
- Docking Station Applications
 - Soft Touch
 - Chemical Emboss: Spot Gloss
 - Strike Through: Spot Gloss
 - Plastic, Styrene, PVC, PET, Non-Porous Substrates
 - Opaque White Down First on Clears
 - Foil and Metalized Stocks
 - Inter-Deck Curing for Added Adhesion
 - Many Other Special Effects

The ASAP System

Automated Smart Assist Printing Increases Press Operating Rates for Continuous Printing of Short-run Work

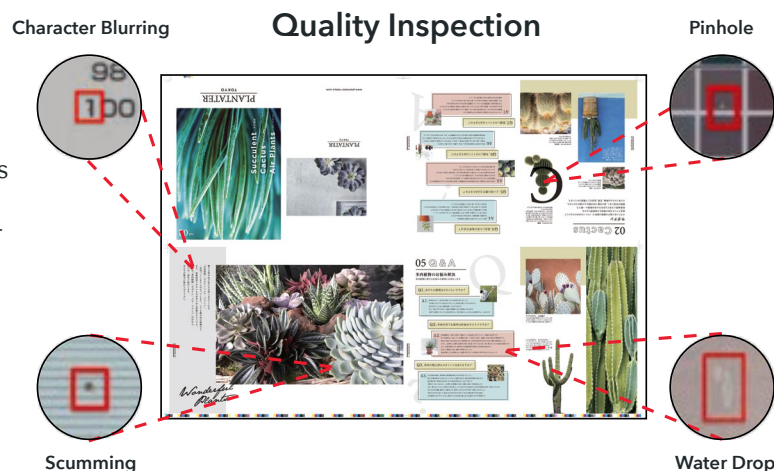
Smart Insta.Color technology has proven itself with fast make-ready times for many years, and the release of the new ASAP system will allow RMGT customers to enjoy an entirely new level of automation and autonomous press operation in the 8 UP+ press format.

With Automated Smart Assist Printing (ASAP), the pressman touches one button and the entire printing process—from ink and paper presetting, blanket and impression cleaning, plate changing through verification of test printing, register adjustment, ink density adjustment, and full sheet inspection are all autonomously processed by the ASAP system without even pulling a sheet.



PQS-D+I Quality Inspection Function

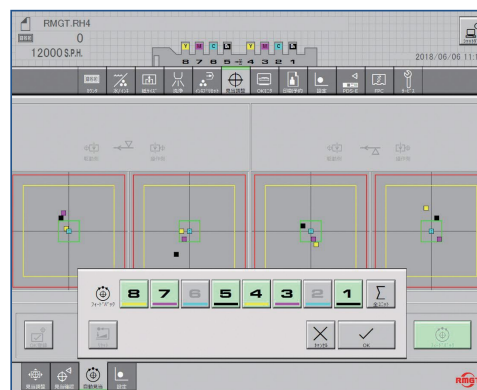
With PQS-D+I, the CCD camera scans every sheet and sheets with defects such as hickeys, marking, water drops or blurred characters are automatically detected. They are then sorted out using either an optional tape inserter or an optional dot matrix inkjet numbering approach. Defects as small as .5 mm X .5 mm will be automatically detected and sorted out by the PQS-D+I system.



PQS-D+R Automatic Register Adjustment Function

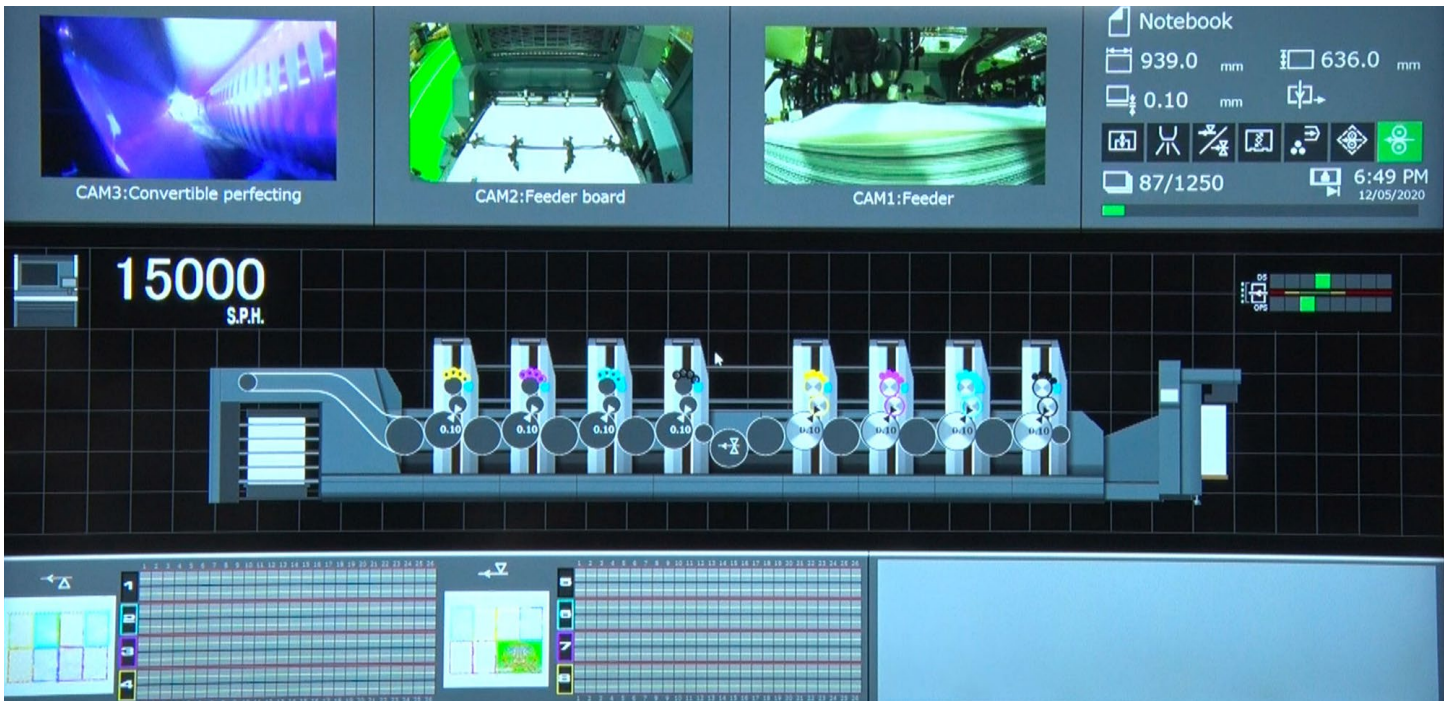
The PQS-D+R module captures images of the registration marks and registration is automatically adjusted to within industry tolerance. The need to pull sheets is eliminated using the PQS-D+R system.

Automatic Register Adjustment Screen



ASAP

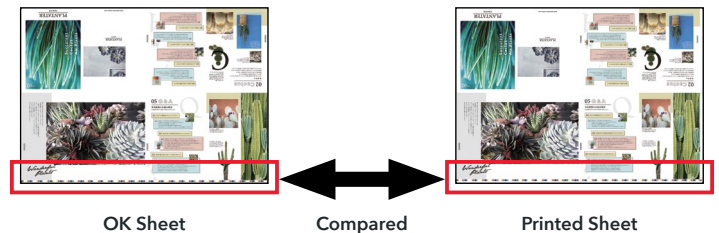
AUTOMATED SMART ASSIST PRINTING



PQS-D+C Printing Density Tracking Function

The PQS-D+C captures images of the color bar for comparison with the target density. The ink keys are then automatically controlled using a closed loop approach to eliminate any difference in density, automatically achieving consistent printing density. Any sheets that fall outside of the preset quality control range are then sorted out using either an optional tape inserter or an optional dot matrix inkjet numbering approach.

Printing Density Control



Shorter Make-ready Times

The New RMGT 970 Offers three plate changing options:

- SPC - Semi-Automatic Plate Changing System (Standard)
- FPC - Fully-Automatic Plate Changing System (Optional)
- Smart FPC - Fully-Automatic Simultaneous Plate Changing System (Optional)

All plate changing systems are equipped with a Benderless Plate Clamp that eliminates the plate bending process.





WHY RMGT?

- Market leader in the 8-UP segment
- RMGT defines and dominates the highly profitable 8-UP format
- Most robust & responsive service department in the industry
- Lowest cost of manufacturing in the 8-UP format
- Smaller footprint, lower energy cost, less labor
- Most diverse product line in the industry providing solutions for all of your printing needs in the digital and offset space
- Pioneer of LED-UV Technology for sheet-fed print
- Highest up-time in industry
- Lowest acquisition cost
- Lowest cost of ownership
- Lowest maintenance cost - Reliability is Reality
- Faster ROI with greater profitability
- Lowest cost to print a full-size 16-page signature
- The RMGT 9 Series press can perform 80% of your work with 75% more efficiency
- The best warranty in the industry
- High print quality and automation with added value print capabilities

RMGT is among the world's largest manufacturers of sheet-fed offset printing presses and the world leader in LED-UV technology with over 700 placements worldwide. RMGT high-speed, fully-automated presses are respected worldwide for unsurpassed print quality, low total cost of ownership, extreme ease of operation and unmatched reliability.

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graphco

print. finish. communicate.

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