MAX 12™ & MAX 20™

Continuous Roll Bagging System

Pregis

MAX 12™ & MAX 20™

Sharp's E-Z Bags® feed through the machine, are opened, filled with product, then sealed

MAX 12™
Bags up to 12" wide

- **Technology advancements** include HMI, a networkable touchscreen PC running Windows® embedded plus an Allen-Bradley PLC

- **Faster, with huge gains in throughput**
  - Printing is 50% faster than other printers
  - Reduced cycle times with the lightweight aluminum jaw
  - Quick realignment with heavy duty drive fingers

- **Cost savings**
  - No queuing reduces scrap and material cost with moveable printing head
  - Thermal ribbon usage reduced as much as 90% with simple adjustments
  - Long lasting, constantly heated sealing mechanism
  - Off-the-shelf parts

- **Troubleshoot quickly on the PC based system** with manuals and video clips on the HMI

MAX 20™
Bags up to 20" wide

Faster Printing

- At least 50% faster than printers used by other manufacturers, increasing throughput dramatically

- Set moveable printing head to precise positions, based on package size, to print bags in order, eliminating queuing and reducing scrap and material cost

- Reduce thermal ribbon usage as much as 90% with reduced spacing between impressions, printing with alternative registrations, and adjusting impression placements to increase ribbon usage

Cutting Edge Technology

- Touchscreen is a 12.1" TFT (thin film transistor) technology, including a PC with Windows®

- Run Windows labeling software, create labels on the PC, save, then add it to a particular job, so the label format is saved as part of the job

- Includes a high speed counter, pulse train output and network capabilities

Versatility in Loading

- Entire machine moves up or down, adjusting to a wide range of heights

- 90° rotation capabilities for horizontal loading for heavy or stuffable products

More Efficient Operation

- Heavy duty drive fingers don't bend even with tugging at bags, so no need to realign

- The proximity sensor is inside the jaw, protecting the magnet field and improving operation in dirty environments

- The constantly heated sealing mechanism offers a longer life than impulse mechanisms

- Controls for the printer are viewed directly on the bagger HMI, so it's not necessary to manage multiple monitors or displays for the bagger and printing system

- Control, recall stored labels or even create labels directly on the single HMI

Access Data Anywhere

- HMI, printer, and PLC can be networked, so they can be accessed at any time from almost anywhere

- Use remote label printing, production reporting, and SCADA (supervisory control and data acquisition) control

Easy Maintenance

- Off-the-shelf, nonproprietary parts

- Color touchscreen display provides troubleshooting guidance with exploded view drawings, manufacturer and part numbers, and html help files with hyperlinks to explain any term

Standard for All Sharp Machines

Total Systems Care

Maintenance Program for Sharp Machines
• Installation and training
• Free replacement parts for one year
• Two preventive maintenance visits
• Free telephone technical support
• Discounted labor rates
• Preferred service scheduling
• Trade-in incentives for machinery

Markets

Aerospace	Candy	Fasteners	Hardware	Jewelry	Novelty
Automotive	Electronics	Food	Hobby	Medical	Parts
Beauty	Eyewear	Fulfillment	Injection Molding	Military	Retail

Machine Specifications

Dimensions—Height x Depth	Weight	Air	Rate
Base MAX 12" Machine 45.3" wide x 39.7" long *With (I) Imprinter* 40.1" to 46.3" high	293 lb / 133 kg	80 psi 5 scfm 5.5 bar	50 bags/min[1]
Base MAX 20" Machine 52.6" wide x 49.8" long *With (I) Imprinter* 39.8" to 45.9" high	348 lb / 158 kg		

Packaging Specifications

Bag Width Range	2" – 20" / 5 cm – 50.8 cm
Bag Length Range	3.5" – 32" / 6.5 cm – 81 cm
Film Gauge Range	1 mil – 4 mil / 25 microns – 100 microns
Roll Diameter	10", 14", or fan folded in box[2]
Printing Cycle Rates	(I) Imprinter end of cycle: 50 bags/min

Bag Styles

E-Z Bags®
• General Purpose LDPE
• Xtreme Poly (XP)
• Ultra
• HD Mailer
• SPHD High Density Polyethylene
• Polypropylene
• Sharp's Military Specification Film
• Gamma Patient

• Metalized Barrier Film
• Electric Static Discharge (ESD)
• Modified Atmospheric Packaging (MAP)
• Non-Scratch Film
• E-Z Stat™ (Anti-Static)
• Vapor Corrosive Inhibitor (VCI)

Printer Module Specifications

Printing Capabilities
Full downloadable font support to Windows® TrueType® (including multiple languages and Unicode support); Fixed, variable and merged text fields; Flexible date/time formats; Flexible shift code formats; Auto best before date calculations and concession management; Auto incrementing/decrementing text, counters and bar codes; Multiple graphic formats supported (up to maximum print area); Link fields to databases; Scalable text and text blocks

Print Method	Thermal transfer, directly onto surface of bag
Print Speeds	20"/second
Print Resolution	300 dpi (12 dot/mm)
Print Area (max.)	4.2" (107 mm) wide x 7.9" (200 mm) long
Bar codes	EAN 8, EAN 13, UPC-A, UPC-E, Code 39, EAN 128, Code 128, ITF, RSS (including 2D composite codes); others available upon request
Operator Interface	Built into bagger HMI, WYSIWYG print preview, Full on-board diagnostics
Nominal Ribbon Waste Between Successive Prints	0.002" (0.5 mm)
Ribbon Saving Features	Radial ribbon save, interleaved ribbon save, intermittent ribbon save
Power Supply	90 – 264V
Air Supply	6 Bar. 90 psi, 1.0ml/cycle (max), supplied by bagger

[1]*Material, gauge, and size of package, along with weight and size of product, will cause rate to vary.*
[2]*Fan folded bags in a box require the use of the Box Unwind Module.*

Engineering Expertise to Customize Your Systems

Sharp Packaging Systems' Engineering Group provides the most cost effective, productive, and reliable integration available. We have a team of software and mechanical engineers to develop the best possible packaging system, customized for your needs.

Hands-on assistance
We offer complete integration and automation and will assist at each step of the process, from research to design, installation, and training. Once your system is installed, Sharp engineers are available for support and help with troubleshooting.

Maximize speed and uptime
With cutting edge engineering tools, such as three dimensional parametric modeling software, our mechanical engineers match Sharp's equipment with your operational requirements to maximize packaging speed and uptime. Our CAM (Computer Aided Manufacturing) operations ensure an optimal packaging solution for your business.

Streamline communications
Our software engineers have over 30 years of experience developing custom machine software for many types of applications in a wide variety of industries. Packaging operations are completely integrated through our software systems, which streamline PLC, PC, and printer communication. As a result, you have maximum flexibility to revise operations and review real-time results.

Financing and Leasing

Sharp Packaging Systems provides financing and lease options for new and used equipment. These packages are designed to help generate a positive cash flow immediately after equipment installation.

Thermal Transfer Ribbon

Sharp thermal transfer ribbons offer consistent high grade resolution and clear printing for creating superior images at high speeds.

SHARP®
PACKAGING SYSTEMS BY PREGIS

Poly Bags · Bagging Equipment

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Products worth protecting deserve Pregis

We are a leading manufacturer of **innovative packaging solutions** and **protective products**.

We solve our customer's toughest business challenges with packaging so they can create customers for life. We do this by delivering **creative solutions to packaging challenges** and leveraging a material neutral portfolio.

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Inside the Box Protection
Ready to Use Packaging |
On Demand Systems – Air, Paper,
Foam | Foam for Fabrication

Mail & Bagging Solutions
Automated Poly Bagging |
Automated Cold Seal Packaging |
Shipping Mailers

Surface Protection
Temporary Protective Films |
Interleaving Materials | Foam
Edge Protectors

**Consultative Services
& Training**
Package Design and Testing |
Custom Integration | Technical
Support | Sustainable Packaging