

SHARP[®]
Packaging Systems

The Experts in Packaging Systems

Engineered Packaging Systems | Excellent Quality Bags | Innovative Machines

MAX 24[™]

Continuous Roll Bagging System



Standard for all of Sharp's 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



Engineering Expertise to Customize your Systems

Sharp Packaging System's 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 assure 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

Poly Bags • Bagging Equipment

Markets

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

Machine Specifications

Dimensions	54.5" wide x 90.5" deep
Weight	1,100 lb / 499 kg
Air	80 PSI / 5 scfm / 5.5 bar
Rate	50 bags/min ¹

Packaging Specifications

Bag Width Range	14" – 24" / 35.5 cm – 61 cm
Bag Length Range	15" – 30" / 38.1 cm – 76.2 cm
Film Gauge Range	1 mil – 4 mil / 25 microns – 100 microns
Bag Type	Fan folded in box
Printing Cycle Rates	(1) Imprinter end of cycle: 50 bags/min

Bag Styles

E-Z Bags[®]

- General Purpose
- Xtreme Poly (XP)
- Ultra
- HD Mailer
- Sharp Packaging High Density (SPHD)
- Polypropylene
- Sharp's Military Specification Film
- Gamma Patient
- Sharp's Metalized Barrier Film
- Electrostatic Discharge (ESD)
- Modified Atmospheric Packaging (MAP)
- Sharp's 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 Speed	12"/second
Print Area	4.2" (107mm) wide x 7.9" (200mm) 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" (0.5mm)
Ribbon Saving Features	Radial ribbon save, interleaved ribbon save, intermittent ribbon save
Power Supply	120V, 20A
Air Supply	6 Bar, 90psi, .5 SCFM/cycle

¹Material, gauge and size of package, along with weight and size of product will cause rate to vary.

MAX 24™ Continuous Roll Bagging System

Industry leading opening accommodates boot boxes, and packages exit label side up for easy scanning

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



MAX 24™
Bags up to 24" wide

- **Technology advancements** include HMI, a networkable touchscreen PC running Windows® 7 embedded plus an Allen-Bradley Micrologix 1400 PLC
- **Handles large packages** with 24" x 12" opening for shoe and boot boxes
- **Improved exit conveyor**—Packages exit with the label side up to facilitate sortation and scanning
- **Faster, with huge gains in throughput**
 - Easily adjustable seal flattener allows settings to be saved in the HMI
 - Job recall saves all parameters—no need to adjust HMI settings when switching jobs
 - Features a drop shelf for fast and easy bag changeovers
 - Reduced cycle times with the lighter weight 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
 - Longer lasting constantly heated sealing mechanism
 - Off-the-shelf parts
- **Troubleshoot quickly** on the PC based system with manuals and video clips on the HMI

"Our customers wanted to be able to package larger items like shoe boxes, and the MAX 24 delivers. We built on our tried and true MAX architecture and added features like a label-side-up exit conveyor for easy bar code scanning and HMI adjustable seal flattener to maximize efficiency. Bottom line, the MAX 24 allows larger items to be packaged more quickly than ever before."

- James O'Gorman, Application Engineer

Faster Printing

- Optional Datamax® thermal transfer printer for printing bar codes, graphics and alphanumeric fonts directly onto the package
- 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

- Include HMI, a networkable touchscreen PC running Windows 7 embedded plus an Allen-Bradley Micrologix 1400 PLC from Rockwell Automation
- Touchscreen is a 12.1" TFT (thin film transistor) technology, including a PC with Windows 7
- 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

More Efficient Operation

- Jaw is aluminum, so less mass, lower inertia, faster movement, and cycle times decrease
- Heavy duty drive fingers don't bend even with tugging at bags, so no need to realign
- Proximity sensor is inside the jaw, protecting the magnet field, improving operation in dirty environments
- 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
- Includes detailed ribbon consumption tools with a gauge that displays how much ribbon remains

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

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 touch screen display provides troubleshooting guidance with exploded view drawings, manufacturer and part numbers, html help files with hyperlinks to explain any term
- Service manual is completely integrated into the diagnostics



Made in the USA

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Packaging Systems

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Flexible Packaging Equipment

For bags on a roll

- MAX 12™
- MAX 20™
- MAX 24™
- SX™

Film, Bags, and Ribbon

E-Z Bags®

- General Purpose
- Xtreme Poly
- Ultra
- HD Mailer
- Sharp Packaging High Density (SPHD)
- Polypropylene
- Sharp's Military Specification Film
- Gamma Patient
- Sharp's Metalized Barrier Film
- Electrostatic Discharge (ESD)
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- E-Z Stat™ (Anti-Static)
- Vapor Corrosive Inhibitor (VCI)

Stretch Sleeves

Thermal Imprint Ribbon

Services

- On-site consultations to identify the best system for specific flexible packaging needs
- Installation and training
- Custom bags
- Inventory stocking programs
- Artwork
- Off-the-shelf parts, available from most maintenance supplies companies
- Technical support hotline available 7 a.m. – 7 p.m. Central
- Video consultations to resolve maintenance issues
- On-site service for equipment
- Total Systems Care maintenance agreements

Markets

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

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