



The Experts in Packaging Systems

Engineered Systems | Innovative Machines | Excellent Quality Bags

MAX 24TM

Continuous Bagging System

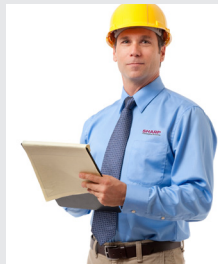


Standard for All of Sharp's Machines

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.



Poly Bags • Bagging Equipment

www.SharpPackaging.com

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 |
| Power Requirements | 120 V, 20 A |

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 |

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 Speed | 12"/second |
| Print Area | 4.2" (107mm) wide |
| 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 | Remote HMI |

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

MAX 24™ Continuous 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

- **Improved exit conveyor**—Packages exit with the label side up to facilitate sortation and scanning
- **Technology advancements** include HMI, a networkable touchscreen PC running Windows® embedded plus an Allen-Bradley PLC
- **Handles large packages up to 12" deep**, including shoe and boot boxes
- **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 lightweight aluminum jaw
- **Cost savings**
 - No queuing reduces scrap and material cost with movable 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 flatteners 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

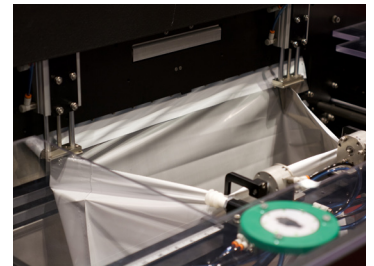
- Datamax® thermal transfer printer for printing bar codes, graphics, and alphanumeric fonts directly onto the package
- Set movable printing head to precise positions, based on package size, to print bags in order, eliminating queuing and reducing scrap and material cost
- Reduce thermal ribbon usage as much as 90% with reduced spacing between impressions, printing with alternative registrations, and adjusting impression placements to increase ribbon usage

Cutting Edge Technology

- Includes HMI, a networkable touchscreen PC running Windows® embedded plus an Allen-Bradley PLC
- Touchscreen is 12.1"
- Optional software package for WMS/WCS systems

More Efficient Operation

- Jaw is aluminum, resulting in less mass, lower inertia, faster movement, and decreased cycle times
- Heavy duty drive fingers don't bend even with tugging at bags, so no need to realign
- Obstruction sensing jaw
- The constantly heated sealing mechanism offers a longer life than impulse mechanisms
- Recall stored labels or even create labels directly on the HMI



Versatility in Loading

Machine moves up or down, adjusting to a wide range of heights

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
- Service manual is completely integrated into the diagnostics screen



Made in the USA



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Flexible Packaging Equipment

MAX 12™
MAX 20™
MAX 24™
SX™

Film, Bags, and Ribbon

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
Electrostatic Discharge (ESD)
Modified Atmospheric Packaging (MAP)
Non-Scratch Film
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 |
| E-Commerce & PBM | Medical |
| Electronics | Military |
| Eyewear | Novelty |
| Fasteners | Parts |
| Food | Retail |