Sharp Packaging Systems

The Experts in Packaging Systems

Pregis

HOW CAN SHARP PACKAGING SYSTEMS **REDUCE YOUR COSTS?**

Our On-Site Evaluation

Sharp Packaging Systems will conduct an on-site evaluation to survey your current packaging processes and will identify ways to decrease expenditures and increase throughput. We'll present options to streamline your operations to reduce your costs at every point in the packaging process, focusing on both labor and materials.

Results

Typical results for any industry are:

Productivity increases dramatically

Increased efficiencies from system enhancements accelerates throughput.

Labor time decreases

Fewer workers are required, with a shorter training period.

Material cost savings

More efficient equipment and processes reduce requirements.

Maintenance savings

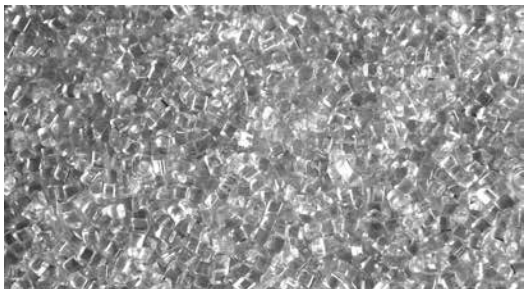
Off-the-shelf parts are easy to locate and less expensive than OEM parts.

The Experts in Packaging Systems

Engineered Systems | Innovative Machines | Excellent Quality Bags

Our Bag Manufacturing Process

Excellent quality from resins to printing



1 Select the correct resin blend

2 Extrude the film

3 Make photo polymer plates and mount

4 Print on flexo presses

5 Convert printed film into final customized bags, used in packaging machines as part of an engineered system

SHARP® PACKAGING SYSTEMS BY PREGIS

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www.SharpPackaging.com

ABOUT SHARP

We're an industry leading manufacturer of flexible packaging materials and automatic bagging systems. Our production facility utilizes the industry's most advanced extrusion technology and converting machines to produce custom printed poly bags made to your exact specification, delivered when you need them. From small, single machine operations to global companies, our customers reduce costs and increase productivity with our complete flexible packaging systems.

◂ **SX GO**
Tabletop
Bagging System

MAX 20™ ▸
Continuous Roll
Bagging System

◂ **MAX-PRO 18**
Continuous
Bagging System

Innovative Bagging Machines

Sharp Packaging Systems has engineered the most innovative machinery available anywhere. Once we understand your process requirements, we identify the correct machines to ensure your operation is efficient.

Our equipment includes everything from semi-automatic tabletop machines for smaller operations to completely automated bagging machines that are used in some of the largest fulfillment operations in the world. Our accessories streamline bagging for many types of products.

24/7 Service

All of our machines have been designed for easy maintenance. Parts are not proprietary and can be ordered from any maintenance supplies company. Our service technicians are available 24/7 through our service hotline, or you can reach them for consultations through video links. When you need us on-site, we'll set up a service call. Training is always part of our installation process.

Excellent Quality Bags

Our custom bags are produced to your exact specifications. We can also develop artwork for customized printing. We received the Badger State printing award for seven years in a row, and we're quite proud of our printed bags.

E-Z Bags® are our pre-opened bags on a continuous roll. There are several stock sizes ready to ship, or you can customize the size and print on them. Our HD Mailer Bag is a staple in the industry and has been approved by the U.S. Postal Service.

Engineered Systems

Our engineers are experts in developing packaging and shipping systems. We begin by discussing your needs, so we can configure the ideal system for your operation. Planning how products are delivered to the packaging stations, then processed for shipping, is critical to maximize productivity.

We focus on reducing labor and material costs. We have developed systems that flow easily between processes to assure that bagging and shipping is accomplished as quickly and effortlessly as possible.

Scanning item barcodes and verifying package contents and weight is completed quickly in one easy passthrough. The most cost effective shipping option is selected automatically, and shipping information is printed directly onto the bag as it travels into the correct shipper's bin. Efficiency is critical in every operation.

▴ **SX™ PROLINE**
Tabletop Bagging System

Examples of Our Improvements

Every industry has its particular problems, but any business will be pleased with improvements that accelerate productivity, expand capacity, speed up run times and setup times, and reduce customer complaints and costs.

Below are some examples of the progress we've made in some of the industries we work with.

E-Commerce & PBM

Productivity
- Faster throughput—as much as 3.5 times—is achieved. The number of stations is reduced by as much as 50%.
- Integrated imprinter reduces steps, and inline mailer is added for further efficiencies.

Labor
Labor costs typically decrease by 1/3.

Injection Molding

Productivity
- An automatic air blower opens bags, with a mechanical opener as a backup.
- Increased accuracy with options for weight count or optical count; precision level weight counts are achieved.

Labor
- Operator can pull up jobs and create labels with the onboard PC to reduce changeover time.
- Robotic arms can be used to drop molded parts into bags.

Parts

Productivity
- Throughput increases of 61%, labor savings of over 80%, materials cost savings of 33%, and 40% increase in accuracy for piece counts are documented.
- Integrated imprinter reduces steps, and inline mailer is added for further efficiencies.

Labor
Printing information on the bag eliminates the need for cardstock inserts.

Medical Industry

Productivity
All-in-one system evacuates air from the bag and allows gamma irradiation of products in the bag.

Labor
Labor reductions of 73% are documented.

Material
Thermal imprinting of barcodes directly onto bag saves $10 – $15 in label costs.

Retail

Productivity
Throughput increases of 400% and material cost savings of 66% are documented.

Labor
Printing information on the bag eliminates the need for cardstock inserts.

Material
Thermal imprinting of barcodes directly onto the bag saves $10 – $15 in label costs.

E-COMMERCE & PBM OPERATIONS

Are you facing any of these problems?

- Low productivity
- Capacity constraints
- Slow run times and setup times
- Processes slow throughput
- Customer complaints
- High costs
- Difficulty identifying the optimum solution

Sharp Packaging Systems can help

Here are some of the typical improvements we have made with Online Retail Fulfillment Centers and Mailing Facilities.

Productivity

Increases dramatically—As much as 3.5 times faster throughput

Labor cost

- Typically decreases by one-third
- Fewer workers are needed, though productivity is higher
- The number of workstations is reduced by as much as 50%

Training

Completed in just one week on new systems

The Sharp Packaging Systems Process

On-Site Evaluation

First we will conduct an on-site evaluation to document current packaging processes. We will look at the production flow from the pick and pack operation to your workstations, including the design of the workstations themselves and shipping procedures.

Findings and Recommendations

Once we have completed the evaluation, we will identify ways to realize potential savings by reducing costs and increasing throughput. Our analysis includes a return on investment for the improvements we are proposing.

These improvements might include:

- Redesign workstations
- Develop inline bag and machine systems
- Integrate imprinter
- Add inline mailers

Implementation

Once we have your approval for any recommendations, we will handle the installation and training processes for the entire project. We will coordinate with your team to assure that the project is completed on time and on budget.

Measure Impact

As part of our process, we will define metrics to validate the impact of the improvements. We will establish reports to track results and monitor the return on your investment.

Online Retail Fulfillment Operational Steps

1. Tote arrives

- A tote containing ordered items is routed to the workstation.
- The operator places the tote onto the Sharp workstation.

2. Order scanned and weighed

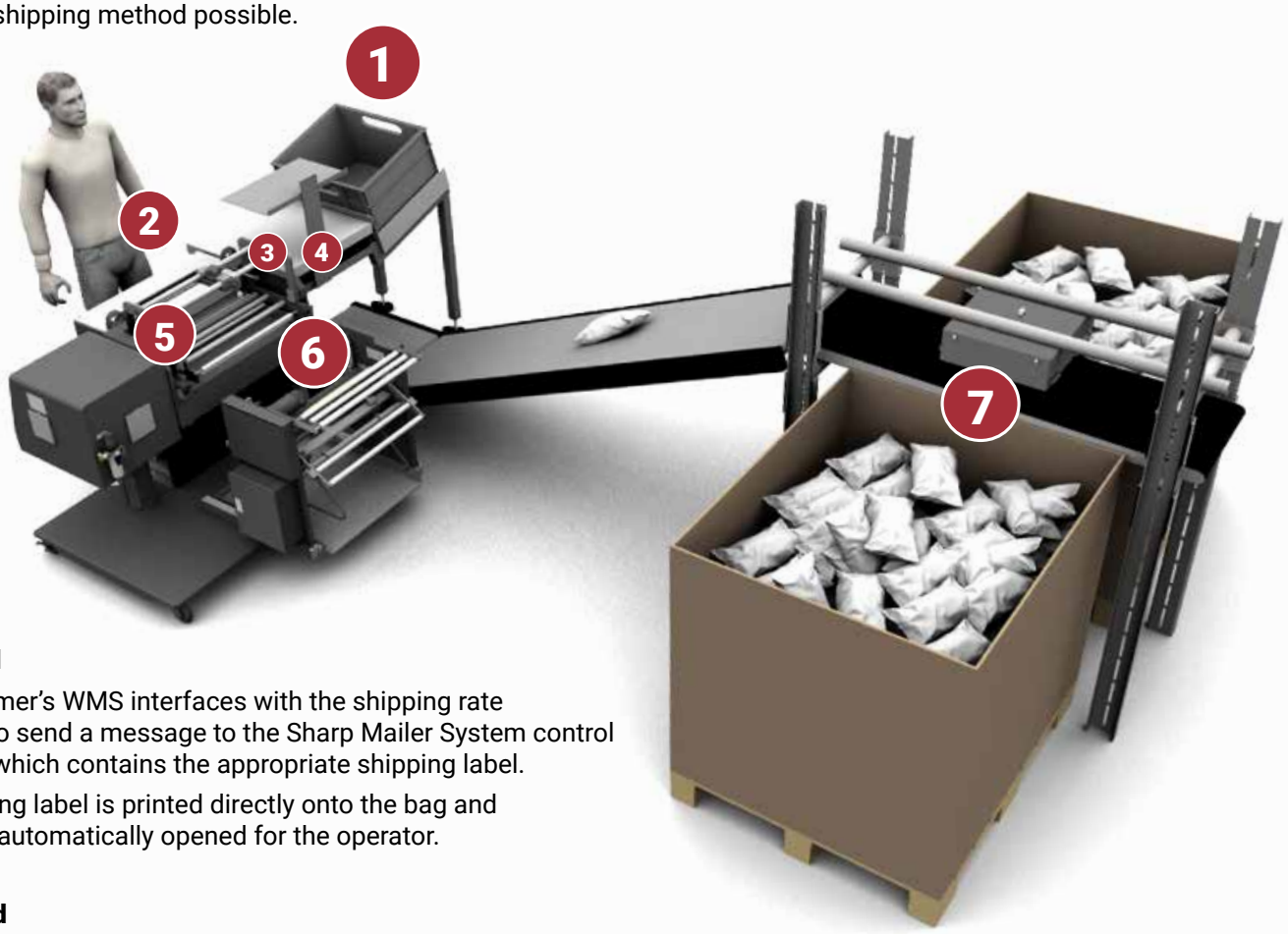
- The operator scans the barcode on each item to verify order contents.
- The operator places all items onto the weigh scale and scans the order identification barcode.

3. Shipping quoted

Sharp control software measures the exact order weight and assembles a message to WMS and/or integrator shipping rate software.

4. Shipper selected

Shipping software obtains an instant shipping rate quote with multiple shipping carriers and selects the most inexpensive shipping method possible.



5. Label printed

- The customer's WMS interfaces with the shipping rate software to send a message to the Sharp Mailer System control software, which contains the appropriate shipping label.
- The shipping label is printed directly onto the bag and the bag is automatically opened for the operator.

6. Order bagged

- The operator takes the order items from the scale and places them into the opened bag.
- The operator initiates the bagger cycle by touching the capacitive sensors.
- The bagger seals, separates, and delivers the finished package to the take-away conveyor.

7. Order routed to ship

The sorter separates the packages according to the carrier type. The mail sortation and manifesting system automates the task of sorting outgoing Sharp HD Mailers, using the most efficient technology available on the market today. This system can displace the need for manual processing or less efficient flat mailpiece processing while increasing the quality and traceability of each mailpiece.

For the injection molding industry

For the retail industry

For the parts industry

SHARP BAGS & FILMS

Lower inventory, material, operating expenses and labor costs with our team of packaging experts. We'll recommend films, features, and improved function, and raise the efficiency and quality of your packaging application. From film extrusion, printing, and converting, we can manage your bag order from start to finish, all completely in-house. Ask us about special co-extruded film for your packaging needs.

Blanket orders take the headache out of inventory costs. Let our representatives monitor your usage and release dates, so you don't have to.

Guarantee top packaging performance with the right film, gauge, and features. Sharp extrudes our own films using the highest grade resins available. High grade resins provide construction consistency and high quality bags, from order to order. Add special features like hang holes for retail display, vent holes or skip seals for air evacuation, and vertical or horizontal perforations for E-Z opening.

Our E-Z Bags® are available on 10" and 14" rolls or fan folded in a box.

Recommended E-Z Bags® by Industry

Industry	HD Mailer	General Purpose LDPE	Xtreme Poly (XP)	Polypropylene	SPHD High Density Polyethylene
Food		✓		✓	✓
E-Commerce & PBM	✓	✓			
Injection Molding	✓	✓	✓		✓
Medical		✓	✓		✓
Parts		✓	✓		✓
Retail		✓	✓	✓	

HD Mailer

- **Co-extruded high density** mailer film
- **Excellent opacity** protects objects from view or puncture

Best Uses
- Fulfillment and mail order
- Confidential materials

Special Features
- USPS compliant
- High strength, puncture resistant
- Multilayer high density film has excellent printing clarity for label addressing and barcodes

Industry Applications
- E-Commerce & PBM—Confidential materials and mail order bags
- Injection Molding

General Purpose LDPE

- Excellent for **general packaging** requirements
- **New multilayer film construction** for enhanced puncture resistance
- **Excellent construction** for feature rich bags

Best Uses
Soft goods, hard goods, and virtually any type of clarity packaging

Special Features
- Available in clear or combination film
- Featured gauges include: 1.5, 2.0, 3.0, and 4.0 mil

Industry Applications
- Food
- E-Commerce & PBM
- Injection Molding
- Medical
- Parts—OEM components
- Retail—Hardware and fasteners, printed bags, hobbies

Xtreme Poly (XP)

- New multilayer film construction adds **increased dart strength**, promoting gauge reduction
- **Gauge reduction** results in more bags per roll, less changeover on machines, and lower freight costs

Best Uses
Ideal for customer appeal and retail display because of excellent clarity

Special Features
- Available in clear or combination film
- Featured gauges include: Light, Standard, Extra, Super, and Super Mega

Industry Applications
- Injection Molding
- Medical
- Parts
- Retail—Fasteners, hardware, kit packaging, and printed bags

Polypropylene

- **Excellent clarity**
- **Moisture protection**
- **Provides stronger heat seals** than homopolymer polypropylene

Best Uses

Retail point of purchase packaging

Special Features

- Offers improved tear and impact strength
- Moderate barrier values for moisture protection

Industry Applications

- Food—Candies, nuts, salty snacks, and bakery goods
- Retail—Hobbies, hardware products, stationery, novelties, plastic cutlery

SPHD High Density Polyethylene

- **Ideal surface for printing** with a matte finish perfect for bar codes, shipping labels, and QR codes
- **Unsurpassed printing clarity** with highest level haze in industry
- **New multilayer film construction** for superior puncture resistance in extreme applications

Best Uses

- Heavy duty hardware
- Thermal transfer printing

Special Features

- Moderate barrier properties
- Available in combination with other Sharp films
- Featured gauges include: 1.25, 2.0, 2.5, 3.0, and 4.0 mil

Industry Applications

- Food
- Injection Molding
- Medical
- Parts—Heavy duty hardware and OEM components

Non-Scratch Film

- **Embossed surface** provides a tough yet non-abrasive inner surface
- **Unsurpassed scratch resistance** in multilayer film

Best Uses

Products that are sensitive to scratching and abrasion

Special Features

- Reduces costly product returns
- Highly durable and flexible

Industry Applications

- Medical—Any application requiring protection to sensitive materials
- Retail—Eyewear, jewelry, electronics, and more

Sharp's Military Specification Film

- **Tough, highly durable** co-extruded material
- **Opaque material** with excellent barrier properties
- **Meets military specifications**

Best Uses

Packaging confidential materials

Special Features

- High integrity seals
- Black interior/white exterior
- USPS compliant
- Meet MIL-PTL-117H and MIL-PRF-121G requirements

Industry Applications

- Medical—Applications requiring low MVTR and OTR
- Parts—Applications requiring low MVTR and OTR
- Government and Military Packaging

Vapor Corrosive Inhibitor (VCI)

- **Prevents corrosion** of ferrous metals and other metal parts
- **Costly product coating isn't necessary**

Best Uses

- Packaging parts
- Metal products
- Medical supplies

Special Features

- Available in clear, tinted, and opaque colors
- Featured gauges include: 2.0, 3.0, and 4.0 mil

Industry Applications

- Medical
- Parts—Automotive, ornamental iron, shipping overseas, and any application that requires corrosion inhibitors

Electrostatic Discharge (ESD)

- **Electrostatic shielding properties** because it's manufactured with metal-in construction
- **A Faraday Cage** protects products from "external" charges

Best Uses

Electrical components

Special Features

- Stops electrostatic charges
- Imprinting capable
- Meets EOS/ESD Standards

Industry Applications

- Parts—Electrical components
- Retail—Electrical equipment or products

E-Z Stat™ (Anti-Static)

- **Protects products from static** by dissipating electrical buildup
- **Available in a variety of colors**

Best Uses

Electrical components and other static-sensitive materials

Special Features

- Available in clear, traditional pink, various tints, and opaque colors
- Reclosable features
- Featured gauges include: 2.0, 3.0, and 4.0 mil

Industry Applications

Retail—Electrical components and kits, electronic equipment, and any application where static dissipation is required

Metalized Barrier Film

- **Excellent clarity** and moisture protection
- **Laminated metalized film**, similar to the co-extruded multilayer polyethylene

Best Uses

Products requiring restricted visibility

Special Features

Featured gauges include: 2.0, 3.0, and 4.0

Industry Applications

- Food
- Injection molding
- Medical
- Parts
- Retail

Modified Atmospheric Packaging (MAP)

"Breathable" film creates a high quality "active package" with impressive oxygen transmission rates

Best Uses
- Select produce applications
- Products requiring some oxygen when packaged

Special Features
- Outstanding clarity and printability
- Incomparable durability
- Excellent breathability
- Standard gauges are 2.0 and 2.5 mil

Industry Applications
Food—Cut lettuce, coleslaw, mushrooms, apples, and other produce

Gamma Patient

- **Specifically designed for gamma irradiation** for quick turnaround
- **Transverse tear allows for easy opening** with no perforations required

Best Uses
Products with irradiation service

Special Features
- Transverse tear for easy opening, with no perforations required
- Provides fast turnaround and ease of penetration of package and product
- Microbial reduction on consumer products

Industry Applications
- Medical—Syringes, surgical gloves, implants and catheters, and any other products requiring sterilization
- Retail—Beauty products, ointments, and solutions

Stretch Sleeves
Polyethylene Sleeve Labels

- **Exact snug fit** on bottles
- Fit a wide **variety of sizes**
- Special engineered film with "memory" that **will not contaminate bottles**

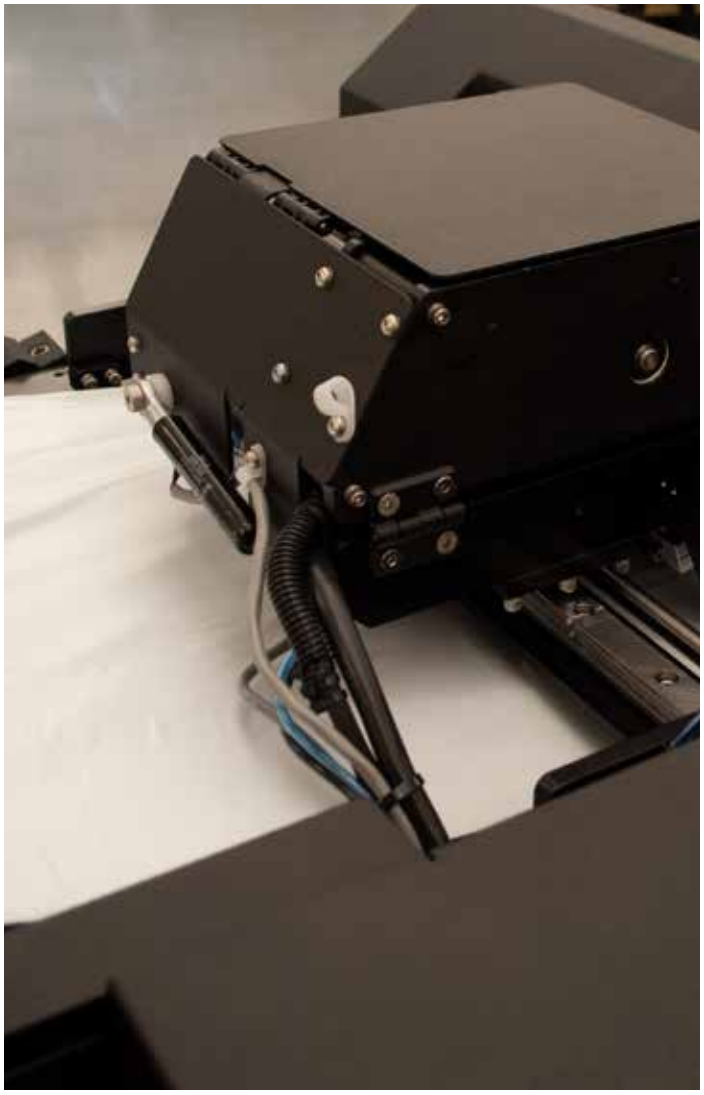
Sharp Offers
- Award winning flexographic printing
- Accurate color match from run to run
- Precise, tight registration
- Excellent, fine type clarity and screenwork
- Process printing capabilities

Why Choose Stretch Sleeves?
- Glue free, fume free application
- Moisture proof
- Will not contaminate bottles

Available in Many Varieties
- Perforated on rolls
- For automatic, semi-automatic, or manual labeling application
- Clear or opaque film

Available Sizes Include
- Quart
- ½ gallon
- 1 gallon
- 2 gallon
- 2½ gallon

Thermal Imprint Ribbon



Available ribbons and recommended applications

Resin enhanced wax

Labels for blood bags, drums, horticulture, ingredients, machinery parts, pharmaceuticals, poly bags, retail tags, shelves, shipping, warnings, and general ticketing

Wax/resin

Labels for blood bags, chemical drums, color for size, horticulture, inventory tracking, lumber, machinery parts, point of purchase, shelves, shipping, storage, warnings, and direct package printing

Resin

Plastic bags, labels for automotive, chemical drums, compliance, components, electronics, shelves, tamper evident warnings, water heaters, pharmaceuticals, retail, shipping, consumer goods, healthcare, ID cards, inventory management, jewelry tags, and steel tags

Near edge

Recommended for direct package printing, general ticketing, and ingredient labels

All purpose color wax ribbons

Color applications, like plastic bags, ingredient labels, material ID tags, retail tags, shipping labels, and size sticker labels

Features

Less buildup

Print heads last longer, require less frequent cleaning

Print at higher speeds

Excellent print quality with no voids and no static buildup

Clear printing, high resolution

Sharp ribbons deliver consistent high grade resolution and clear printing. Our ribbons allow you to print superior images when printing at high speeds without voids.

Prevent buildup

With the most advanced back coating on the market, Sharp ribbons are designed to prevent buildup and prolong print head life.

From plain wax to wax resin combinations, all Sharp ribbons have been engineered for a wide range of applications.

Prevent static

One of the primary causes of poor print quality is static. Sharp Packaging relies on specially formulated ribbons to dissipate static and eliminate printing voids. Costly errors occur when barcodes are not printed correctly.

SHARP MACHINES

Sharp Packaging Systems has a bagging machine for any situation. All of our machines use off-the-shelf parts for easy maintenance.

AUTOMATIC

MAX-PRO 18

The MAX-PRO 18 was built from the ground up to reduce downtime through predictive maintenance, easier troubleshooting, and much faster bag and passthrough changeovers. No machine on the market is as advanced.

MAX 12™ & MAX 20™

Use bags up to 12" or 20" wide and up to 40" long with our MAX 12™ & MAX 20™ automatic bagging systems. Recently updated, they are faster than ever with technology advancements that include HMI, a networkable touchscreen PC running Windows® embedded, plus an Allen-Bradley PLC.

MAX 24™

Industry leading 24" wide capacity and exit conveyor ensure that bags leave the machine label up to increase productivity.

Infeeds

Our machines easily interface with all types of infeed and outfeed devices. We can custom configure any application.

SEMI-AUTOMATIC

SX GO

The SX GO is a compact, tabletop bagging system that can fit bags up to 18" wide—widest in the industry. Powered by a standard electrical outlet. Just plug in and bag.

SX™

When you're looking for a semi-automatic bagger, our SX™ is perfect. It is a table top auto bagging machine that takes the complexity out of hand loading operations and sets up in seconds. Printing information can be adjusted for each bag.

MAX 12™
Continuous Roll
Bagging System

MAX 20™
Continuous Roll
Bagging System

MAX-PRO 18
Continuous Roll
Bagging System

MAX 24™
Continuous
Bagging System

SX™ PROLINE
Tabletop Bagging System

SX GO
Tabletop Bagging System

Infeeds
Counting systems and
automatic scales & weighers

MAX-PRO 18

Continuous Bagging System

Redesigned from the ground up for increased productivity and easier operation

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

Cutting Edge Technology

- Advanced diagnostics monitor individual machine components, notifying technicians of any potential problems and allowing replacement parts to be ordered before a failure occurs
- Networkable HMI responds like a smartphone: faster and more intuitive, with easy to understand icons
- Passthrough size now adjustable via the HMI, with no tools required

More Versatile Operation

- Simplified bag threading system allows even novice operators to load new bags easily
- Sharp MAX-PRO 18 accommodates 18" wide bags with an 8" passthrough depth
- Save job settings in HMI for easy access
- Store label designs and even create labels directly on the HMI
- Compatible with both rolls and boxes of bags

Faster Printing

- Incorporating Zebra thermal printers permits direct printing onto the package for bar codes, graphics, and alphanumeric fonts
- Movable printing head sets to precise positions, eliminating queuing and reducing material cost and scrap
- Decrease thermal ribbon usage as much as 90% with reduced spacing between impressions, printing with alternative registrations, and adjusting impression placements to maximize ribbon usage

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

- New design utilizes fewer components, decreasing downtime and increasing ease of maintenance
- Improved error reporting pinpoints problems for hassle free troubleshooting
- Off-the-shelf, nonproprietary parts can be purchased at most MRO stores
- The color touchscreen display provides troubleshooting guidance with exploded view drawings, manufacturer and part numbers, and html help files with hyperlinks to explain any term

Machine Specifications

Dimensions
41.5" wide x 71.75" long x 43.5" high

Weight
710 lb

Air
80 – 100 PSI, 5 CFM

Power
110 AC; 15 amp

Packaging Specifications*

Minimum Bag Width
2"

Maximum Bag Width
18"

Minimum Bag Length
3.5"

Maximum Bag Length
40"

Film Gauge Range
1 – 4 mil

Bag Type
Rolls or folded in box

Speed
50 bags/min

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

Markets

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

MAX 12™ & MAX 20™

Continuous Roll Bagging System

- **Sharp's E-Z Bags® are opened, filled with product, then sealed**
- **Runs bags** up to 12" wide and 40" long
- **Technology advancements include** HMI, a networkable touchscreen PC running Windows® embedded plus an Allen-Bradley PLC

MAX 12™
Bags up to 12" wide by 40" long

MAX 20™
Bags up to 20" wide by 40" long

Faster, with huge gains in throughput

- Printing—50% faster than other printers
- Reduced cycle times with the lightweight aluminum jaw
- Run multiple applications on one machine with both horizontal and vertical loading capabilities

Cost savings

- No queuing and reduced 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

Machine Specifications

Dimensions Height x Depth	**Weight**	**Air**	**Rate** Bags/min[1]	**Power Requirements**
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	115 VAC 10A 50/60 Hz (Standard version)
Base MAX 20" Machine 52.6" wide x 49.8" long *With (I) Imprinter* 39.8" to 45.9" high	348 lb / 158 kg			230 VAC 5A 50/60 Hz (CE version)

[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.*

Markets

Injection Molding

Food

Hardware

Hobby

E-Commerce & PBM

Medical

Parts

Retail

Packaging Specifications

Bag Width Range
2" – 20" / 5 cm – 50.8 cm

Bag Length Range
3.5" – 40" / 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/minute

MAX 24™

Continuous Bagging System

- **Widest bagging system in the industry**
- **Runs bags** up to 24" wide and 30" long
- **Improved exit conveyor**—Packages exit with the label side up to facilitate sortation and scanning
- **Technology advancements include** arm mounted HMI, a networkable touchscreen PC running Windows® embedded plus an Allen-Bradley PLC, and a relocatable emergency stop/reset button

Faster, with huge gains in throughput

- Reduced cycle times with the lightweight aluminum jaw
- Job recall saves all parameters—no need to adjust HMI settings when switching jobs
- Features a drop shelf for fast and easy bag changeovers
- Easily adjustable seal flattener allows settings to be saved in the HMI

Featuring high speed 12" jaw passthrough

- Jaw stroke increased 6"—Accommodates products up to 12" deep
- Easily adjustable—Quickly change depth from 4" to 12"

Cost savings

- No queuing
- 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

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
120V, 20 AMP

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

Markets

E-Commerce & PBM

Medical

Retail

Parts

Injection Molding

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

SX GO

Tabletop Bagging System

Quickly and easily bag large products

- **With a wider, larger jaw**, SX GO can fit bags up to 18" wide—7" larger than the original SX.
- **SX GO labels, addresses, and opens bags**; simply fill them and move on.
- **New technological features** include bag opening fingers and a mechanical seal flattener for perfect closure every time.
- **Ideal for adding into existing workstations** or other compact areas not suited to a floor model design

Easier to Use

- Powered by a standard electrical outlet. Just plug in and bag.
- Advanced bag open fingers ensure the next bag is always open and ready to fill
- Mechanical seal flattener ensures bags receive a complete seal that looks professional
- Seal flatteners adjust automatically with no user input required
- Automatic passthrough adjustment using the intuitive touchscreen—no tools required
- Adjustable load shelf for easy loading of bulky or heavy products
- Clamshell design makes it easier to thread the bags

Maintenance Is Simple

- Fewer moving parts means less maintenance
- Automatic self diagnostics identify and correct problems quickly
- Off-the-shelf parts are easily replaced and cost significantly less than proprietary replacement parts found on bagging machines from other manufacturers
- Teflon tape is easier and less expensive to replace
- On-board PLC for greater reliability in machine function

More Efficient Printing

- Customized labels print clearly the first time and every time.
- Capable of printing long and short production runs
- 4" wide print head for a larger print area
- Fast, easy thermal ribbon changes
- Electronic ribbon sensor prevents wasted ribbon. The viewing window allows you to see the amount of ribbon remaining on the roll

Machine Specifications

Dimensions
30" wide, 34.5" deep, 24" high

Weight
250 lb

Air
No air line required

Power
110 AC 10 amp

Packaging Specifications*

Minimum Bag Width
2"

Maximum Bag Width
18"

Minimum Bag Length
3.5"

Maximum Bag Length
40"

Film Gauge Range
1 – 4 mil

Bag Type
Rolls or folded in box

Speed
35 bags/min

Markets

Fulfillment
Injection Molding
Medical
Parts
Retail

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

SX™ PROLINE

Continuous Roll Bagging System

- **Sharp's E-Z Bags® feed through the machine, are labeled or addressed, then opened automatically.** Simply insert the product, and then the bag is sealed.
- **Runs bags** 2" to 11" wide and 4" to 32" long
- **Technology advancements include** 4.3" wide color touchscreen with Allen-Bradley Micro850 PLC

More efficient printing

- Prints unique, variable information on the first bag out
- Can print long and short production runs for a variety of projects
- 4" wide print head for a larger print area
- Ribbon changes are simple, in less than half the time of standard baggers
- Electronic ribbon out sensor prevents wasted ribbon. The viewing window allows you to see the amount of ribbon remaining on the roll.

Easier to use

- All electric design—just plug in and use the SX™ anywhere
- Optional adjustable load shelf for easy loading for bulky or heavy products
- Cross flow fan channels high volume, low pressure ducted air for precise bag opening—no compressed air required
- Auto-Rol™ tension system maintains consistent web flow and eliminates breakage
- Clamshell design makes it easier to thread the bags
- Bag changes are fast with touchscreen inputs

Maintenance is simple

- Off-the-shelf parts, typically saving over $2,000/year
- Fewer moving parts for less maintenance
- Plug and play wired components for easy changing and ordering
- Teflon tape is easier and less expensive to replace
- Self diagnostics identify and correct problems quickly
- On-board PLC for greater reliability in machine function

4" wide print head

All electric design

Touchscreen controls

Machine Specifications

Dimensions *Width x Height x Depth*
28" x 22" x 29.5"

Weight
140 lb

Power
115 VAC / 10A / 50/60 Hz
(Standard version)
230 VAC / 2.5A / 50/60 Hz
(CE Version)

Rate
35 bags/minute

Operating Temperature
0° – 40°C / 32° – 140°F

Humidity
10% – 90% RH, Noncondensing

Packaging Specifications

Bag Width
2" – 11"

Bag Length
4" – 32"

Film Gauge
0.001" (1 mil) – 0.004" (4 mil)
25 microns – 100 microns

Roll Diameter
10"

Markets

E-Commerce & PBM
Injection Molding
Medical
Parts

CE version available in Europe

INFEEDS

We can provide a solution for almost any application

Sharp Packaging Machinery easily interfaces with all types of infeed and outfeed devices. Sharp will work with you to configure your application to your satisfaction. Sharp's team of engineers and bagging experts will design your system using only the best scales, counters, friction feeders, and conveyors, no matter how unique your application is.

Sharp's E-Z Feed Conveyor

New Counting Systems

Assure Precision Filling

Scans products by count, weight or volume from 900 scans/second to 4,000 scans/second

Tighter Tolerances

Analyzes product at 2,000 scans/second and rejects out of tolerance parts

Increased Speed

Faster filling rates than traditional scales and weighers with 30 batches/minute to 100 batches/minute

BSI BATCHING SYSTEMS, INC.

Batchmaster II

Batchmaster IV

Batchmaster FAW

Automatic Scales & Weighers

New High Speed Scales

Select Measurement

A single click activates weight or count preference with up to 50 fills/minute

Easy to Operate

New touchscreen controller automatically detects the best settings for filling products

Compact Design Lowers Cost

Fits in a 4' cube, offers short product drop and costs less compared to multiple lane scales or combination scales

WEIGH RIGHT Automatic Scale Co.

iQ-Shuttle
Fully automated with bagger

Yamato

Alpha Plus Series Weigher

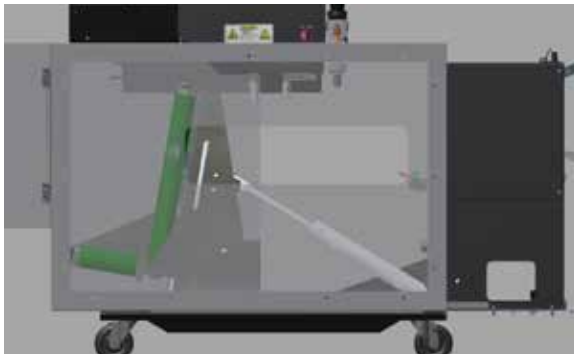
LABEL SIDE UP EXIT CONVEYANCE

Options to ensure the label faces either up or down

Sharp has several solutions for exit conveyance that assure every package can easily be scanned and sorted. Each solution can be fully controlled by the bagger PLC.

Eliminate common problems:

- Incorrect packaging
- Slowed production
- Postage printing errors
- Inaccurate label placement



Rotational Exit Conveyor

- Connects directly to the MAX 20™ frame
- Process packages from 2" to 20" wide x 15.5" to 24" in length
- Finished package thickness up to 6" wide
- Expels air from package just before sealing

Axial Rotation Exit Conveyor

- Connects directly MAX 12™ or MAX 20™ frames
- Customizable conveyor belt can carry the package in any direction
- Adjustable belt height allows packages to empty into bins

MAX 24 Built-In Conveyor

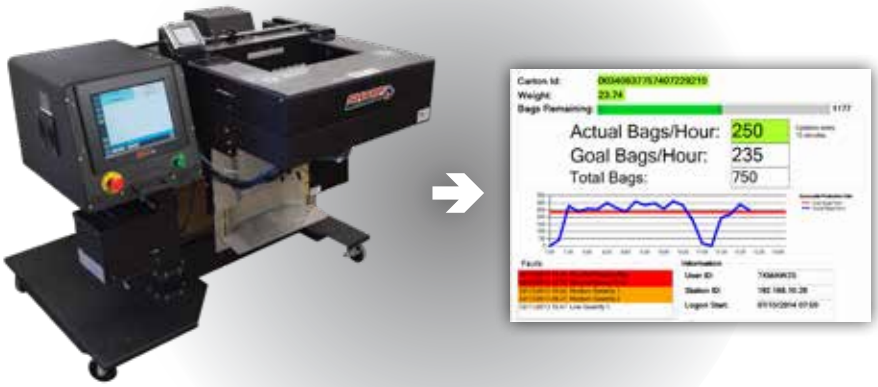
- Label side up conveyor is standard on every MAX™ 24
- Compatible with additional conveyor systems
- Fully integrated into the machine

INCREASE PRODUCTIVITY

CUSTOMIZED SHOP FLOOR DATA REPORTING

Track your bagger productivity accurately

- Measure the productivity of each user
- View real time production graphs
- Add additional information to fault warnings to help operators solve problems



Options include

- Function showing bags remaining
- User login
- Real time production graph
- Admin screen to enter various values
- Operator fault message updates
- Auto logoff
- Auto save incremental bagger run counts

For more information, call today! 800-634-6359

PARTS & SERVICE

Parts

It's easy to find parts for your Sharp machine. They are built with off-the-shelf parts, available from most maintenance supplies companies.

Please contact us to help you identify the parts you need. You can also purchase machinery parts from your distributor and directly from Sharp Packaging Systems.

Spare Parts Kits

Spare parts kits are available through your distributor or directly from Sharp Packaging Systems' website. Keep the spare parts kits on hand for quick access to the parts you'll need most often.

Service

Prompt service is available through a network of Sharp distributors or you can call our technical services support hotline for help in solving a problem. Sharp technicians are factory trained and certified.

When you need us to see the problem and can't wait for a technician to arrive, our video access service lets our technicians see your machine's issues, so you can get back to work quickly.

Ask about our **Total Systems Care Maintenance Program**

skype | GoToMeeting

service@sharppackaging.com

Call our toll free technical support hotline 800-634-6359, Ext. 572

TOTAL SYSTEMS CARE

Maintenance Program for Sharp Machines

When you purchase your new machine from Sharp Packaging Systems, you are automatically enrolled in our Total Systems Care program. It's one more reason to choose a Sharp machine.

- Installation and training
- Free replacement parts for one year
- Free telephone technical support
- Discounted labor rates
- Preferred service scheduling
- Trade-in incentives for machinery

ENGINEERING EXPERTISE

Customize Your Systems

Our software and mechanical engineers develop packaging systems, customized for your needs.

- Hands-on assistance
- Maximize speed and uptime
- Streamline communications

Hands-on assistance

Whether you require a simple one-piece funnel or complete integration and automation, we will plan and 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.

For more information, call today! 800-634-6359

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.

Contact us today!

www.PREGIS.COM

Pregis

Made in the USA ISO 9001:2015

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