



JEM
INTERNATIONAL INC.

EQUIPMENT SALES | PARTS | MANUFACTURING

JEM's goal is to provide our customers premier packaging equipment solutions and customer support. We take pride in our longstanding relationships with hundreds of distributors and OEM partners worldwide. Our promise to you is that we will listen to your application requirements and work closely with you to achieve your goals together.



Our experiences have allowed JEM packaging lines to be operated in 63 countries. This and the help of our 400+ global partnerships has provided a wealth of knowledge for understanding your packaging needs within your specific industry and region. We offer 110V-220V single phase and 208-575V three phase control and motor voltages usually without an upcharge.



Our bagging scales are robust with tool-less access doors to promote cleanout and maintenance. All bag closing comes standard with variable speed drives and factory set pedestal and conveyor timing.



We have established partnerships with world class organizations such as Union Special, Fischbein, Newlong Industrial, OK International, Thiele Technologies, Johnson and Sons Manufacturing, Choice Bagging Equipment, EML Tech, Packrite, Matrix, PS Lee, General Packaging, Nova HFFS, Rice Lake, Rinstrum, Thompson Scale, Fanuc, AGI and Yargus Manufacturing to name a few. We look forward to the opportunity to become your trusted source for all your packaging needs.

Gross Weigh Mechanical Bag Filling Scale

The WOLVERINE provides an economical approach to filling bags from 10 lb. to 110 lb. (5 kg – 50 kg). Typical production speeds are 4-5 bags per minute at ± 4 ounce (100 gram) accuracy. The GWM scales can be supplied with a variety of spout sizes to accommodate your specific bag dimensions.



More Information



Flex-Belt and Auger feeders are available to handle products that are not free flowing in nature. The scales are available in mild 10-gauge steel or can be supplied with stainless steel product contact surfaces or all stainless-steel construction for corrosive or food grade products such as salt, fertilizer and various food products.

The GWM comes standard with a cam grip spout sized for your specific bags. For dusty products please inquire about Dust Tight Spout options with rear dust port.



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Phone: 913-441-4788 | Fax: 913-441-1711 | www.JemBaggingScales.com



Gross Weigh Digital Bag Filling Scale

The GWD DIGITAL ROYAL is a digital electronic gross weight scale for bags from 10 lb. to 110 lb. (5 kg – 50 kg). Typical production speeds are 8 to 9 bags per minute with an accuracy of ± 50 grams (2 ounces).



More Information

The standard model includes two load cells, a three-position gravity gate (open, partially open, and closed), a pneumatically operated center gripper spout, and is constructed of mild steel with an epoxy coating.

We offer gravity vibrators, belt feeders, screw feeders, and single-plate vibrator feeders, as well as dust tight spouts for a variety of product applications. The GWD DIGITAL ROYAL is also available with a stainless-steel contact plate or with all stainless-steel construction for corrosive or food grade products.

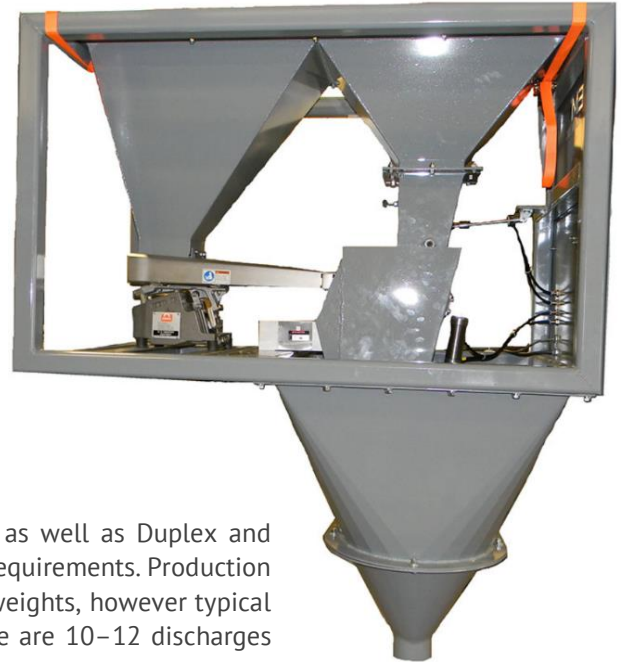


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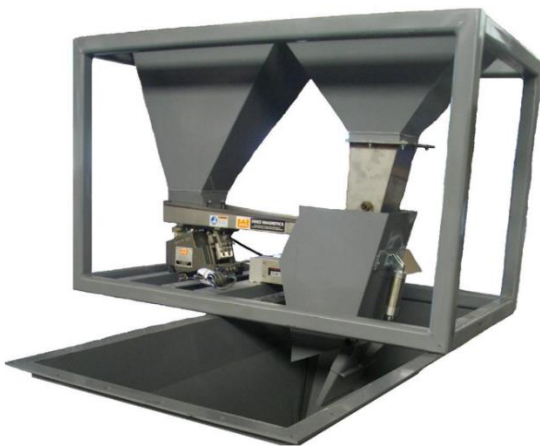
Small Net Weigh Digital Bag Filling Scale for 1 – 20 lb. weights

The FALCON is a net weigh bagging scale for handling 1 lb. to 20 lb. discharges. The standard model includes a gravity gate, single vibrating pan feeder and a .4 or 1.0 cubic foot weigh hopper suspended from a single load cell.



The FALCON is available in Simplex as well as Duplex and Triplex models for higher production requirements. Production speeds vary with product and target weights, however typical production speeds for a Simplex scale are 10–12 discharges per minute.

More Information



Production speeds for a Duplex scale are up to 22 discharges per minute, and a Triplex scale can produce 30+ weighments per minute.



We also offer 4-inch diameter auger feeders for fluid products, interface with vertical or horizontal form, fill and seal machines, stainless steel contact plate work or all stainless-steel construction, dust tight spouts and dust enclosures.

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Net Weigh Digital Bag Filling Scale for 10–110 lb. weights

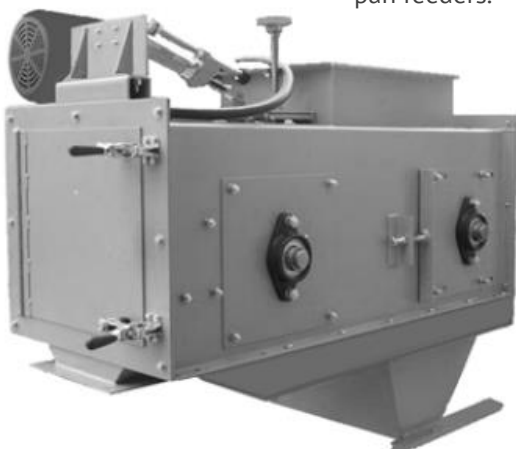
The NW EAGLE net weigh bagging scale is designed to handle 10 lb. to 110 lb. bags (5 kg – 50 kg). The scale is supplied with either a 2.0 cubic foot or 3.5 cubic foot capacity weigh hopper. The scale can be supplied in Simplex for up to 12 bags per minute, Duplex for 20–22 bags per minute or Triplex for up to 30 bags per minute.



More Information



Gravity gate feeders are supplied for free-flowing products. We also offer gravity/vibratory feeders, belt feeders, auger feeders and single vibrating pan feeders.



The NW EAGLE scale can interface with automatic bag placers and vertical or horizontal form, fill and seal machines. Accessibility is a key factor in the NW Eagle design. All four sides of the scale are fully accessible by tool-less access doors to provide ease in cleanout and maintenance.



Our standard digital controller has programmable memory retained recipe codes and keeps track of all bag weights with a time and date stamp. The scale can be supplied in mild steel construction, stainless steel contact surfaces or all stainless-steel construction for food grade or corrosive environments.

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BAGGING SCALES SELECTION

Model	Type	Capacity (Kg)	BPM	Accuracy Range (g)	Bagging Scale Type	Pneumatic System	Airtight Spout	Feeder type				
								Flex Belt / Auger	Gravity Fall	Belt	Worm Gear	Vibrating Tray
GWM WOLVERINE	Simplex	5–50	4–5	± 100	Mechanical		•	•	•	•		
DIGITAL ROYAL	Simplex	5–50	8–9	± 50	Digital	•	•		•	•	•	•
FALCON	Simplex	.5–7	10–12	± 50	Digital	•	•				•	•
	Duplex	.5–7	22	± 50	Digital	•	•				•	•
	Triplex	.5–7	30	± 50	Digital	•	•				•	•
NW EAGLE	Simplex	5–50	12	± 50	Digital	•	•		•	•	•	•
	Duplex	5–50	20–22	± 50	Digital	•	•		•	•	•	•
	Triplex	5–50	30	± 50	Digital	•	•		•	•	•	•



Automatic Bag Filling Systems, Bag Hangers and FFS machines

JEM net weigh bagging scales can interface with a variety of automatic baggers to maximize your production speeds and efficiently operate your line with minimal labor. We partner with Imeco, Johnson and Sons and Fischbein for a complete line of individual cut bag hangers.



These systems are ideal for kraft paper or laminated polypropylene bags. The product lines range from simple to operate swing arm bag hangers which pace the production line to fully automatic systems that keep total bag top control throughout the sewing or sealing system. Various options are available for pillow type and side gusseted bags.



More Information

When using polyethylene film, a form fill and seal machine is a popular choice for automatic baggers. JEM offers Nova horizontal FFS and Matrix vertical FFS machines for a variety of applications such as pet foods, lawn and garden, fertilizer and salts, petro chemical, baking goods, etc.

Automatic bagging lines will help control inconsistent production speeds and weight inaccuracies. A well-designed system will greatly reduce labor costs and eliminate repetitious operator movements and labor-intensive job duties. Please inquire with JEM whether your application is a good fit for an automatic bagger.



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Robotic Palletizing Systems

JEM offers a wide array of palletizing options to best fit your space and budget requirements. Many of our customers have started with manual labor to palletize bags and realized this is a bottleneck or weakness to their entire packaging process.



More Information

A robotic palletizing system offers the fastest return on investment for many companies. A typical installation will allow companies to move 2-3 operators per shift to elsewhere in the plant. Our systems are designed for 13-16 bags per minute with a single gripper or 20 bags per minute with a tandem gripper.



We have three variations of pallet presentation depending on your floor space and forklift availability. The most common and expensive workers' comp claims are caused by injuries to operators' backs.



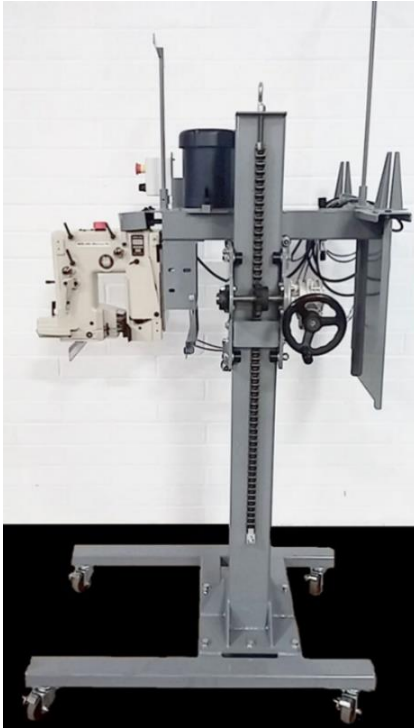
Let JEM help your company evaluate whether a robotic palletizing system is right for you. Please see videos below of successful partnerships with JEM and EML Tech, Conveying Industries and Nova Packaging.

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Sewing Systems and Bag Sealers

JEM is a leader among North American companies offering a complete line of bag closing equipment. The SEW Pedestal can be supplied with Fischbein, Newlong Industrial or Union Special sewing heads and power infeed's. All controls are state-of-the-art 24V systems with PLC and variable speed drives. This allows our technicians and your employees to easily time sewing head and conveyor speeds.



Start-Stop and thread and tape cutter photoeyes are standard and all pedestals are factory tested prior to shipping. If your application requires heat sealers, pinch bottom closers, PILS, impulse sealers etc... we have you covered.

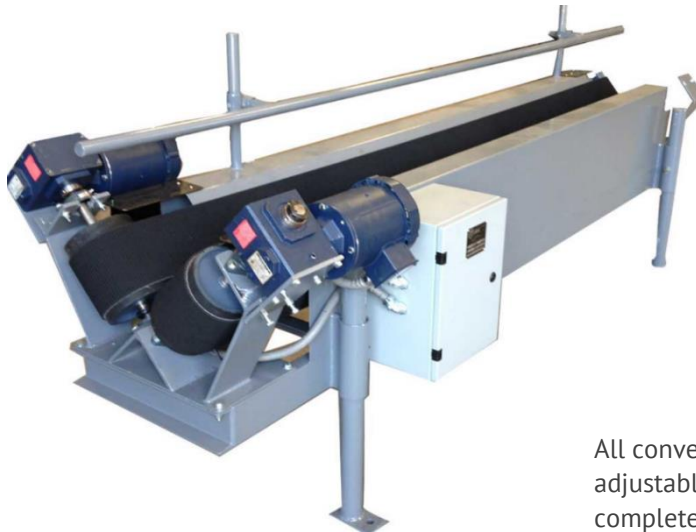


More Information

We have experience and partnerships with well known and respected companies such as Fischbein, Bosch, OK International, Packrite, S&S, Newlong Industrial, HP, Dewan and others. We stock spare parts for many of these machines and offer consumables such as sewing thread and tape and Teflon heating bands.

Conveyors

JEM manufactures a complete line of bag closing, bag positioning and bag transfer conveyors to meet almost any application. The BC series conveyor is a bag closing conveyor for 15–110 lb. bag weights. These are manufactured in 2ft increments with a range of 8ft through 24ft conveyor with a 12” belt width.



More Information

All conveyors are made of 6” formed steel and include an adjustable back rail, take up bearings, 3 ply belt and complete controls package including an inverter duty gearmotor and variable speed drive.



For smaller bag weights we make a 6” tabletop conveyor with adjustable front and back guide rails for bag support and complete controls package with inverter duty gearmotor and variable speed drive.



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After the bag is closed, it will transfer to a KD5 knockdown turning conveyor for a straight-line layout. If your plant layout requires the bag to move 90 degrees, we offer a BK5 bag kicker conveyor.

OSHA and various government agencies recommend that all manual palletizing be done at waist height or approximately 42" from the floor to prevent back injuries.



More Information



We manufacture bag incline and bag flattening conveyors that even the product within the bag for optimal pallet stacks. Manual palletizing stations will include a GRT, gravity roller conveyor so the operator is not pulling bags from a live motorized conveyor.

The Bishamon pallet positioner will automatically lower each layer the operator stacks to prevent bending over. It also includes a turntable top to prevent reaching over the pallet and twisting which is the #1 cause of back injuries.



Robotic palletizing systems will include bag centering, accumulation and robot pick conveyors.

24ft portable incline conveyors are designed for international applications where you need the capability to stack bags on a pallet or stack directly into an open top truck.

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Supersack and Bulk Bag Filling & Unloading

JEM will help design the correct filler for your bag type and dimensions. The JEM SSF includes a product feeder, bag spout, supersack support frame, platform scale and all necessary electronic and pneumatic scale controls.



More Information

The controller will tare each bag and pallet weight and automatically fill with bulk and dribble feeder settings to maximize accuracy and production rates. All bag weight data is stored within the controller and can be exported via a USB thumb drive or Ethernet connection.

We offer balloon spouts and annular bladders for powdered products to provide additional dust control and allow the air within the bag to relieve through the outside spout chamber.

The support framework can be drilled to allow for various bag heights. JEM has partnered with FormPak for additional application requirements such as bag gyrators for product settling, fully automatic corner loop release and single strap export bag filling stations.

Please inquire about additional capabilities to use a NW series net weigh bagging scale for filling 50 lb. through 2,200 lb. weights on the same bagging line. This is a very popular and inexpensive option if you only require supersack or bulk bag filling for a small portion of your packaging needs.



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Lawn and Garden Product Packaging

The MCSS bagging system is designed for bagging difficult flowing lawn and garden products such as mulch, compost, sawdust and soils. These products cannot be compressed in a typical above scale hopper because they tend to bridge and plug the hole.

Typically, these products are also stored at ground level, so our system is designed to be loaded directly with an end loader or Bobcat.



More Information



The HDRSS system is designed for heavier bulk density products such as sand, gravel and stone. We incorporate a larger power unit for the required torque and relieve the product weight from the troughing belt.

This system is also a great fit for products such as wood pellets, charcoal briquettes, lump charcoal, fertilizers, salts and ice melts and any other products that tend to be stored in piles on the ground rather than in bins or silos.

Portable Bagging Systems/Ship Unloading Systems

JEM manufactures a mobile bagging unit specially designed for port use and ship unloading. A dual line system will produce 120 MTPH of dry free flowing products into a 50 kg bag. The single line system will produce 70 MTPH. We offer various feeders and metal construction based on your application.



More Information

The systems include scales, bag closing equipment and bag transfer conveyors so you can unload a vessel with a ship's grab and palletize directly into an open top truck. These units can be set up and broken down to be loaded on a flatbed trailer in less than 40 minutes.

Please inquire about additional options for mounting equipment into standard 20 foot or 40-foot containers for portability. We have also assisted with mounting equipment directly onto flatbed or goose neck trailer for a portable line designed to assist in disaster relief or drilling field applications.



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Surge Hoppers and Scale Supports

Please inquire on surge hoppers and scale support frames for your new or existing bagging line. JEM offers a wide array of hoppers and capacities to best fit your application.



More Information



We can design the framework with offset legs for operator convenience and will run the necessary conduit and wiring for all controls.



Net weigh bagging scales include an operator mezzanine for cleaning and maintenance plus we will install necessary bin sensors to communicate with your scale and product infeed device.



We offer both mild steel construction with food grade paint or stainless steel product contact surfaces.

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Tag Placing and Print & Apply Systems

Identification of products is becoming more important every day. At JEM International, we supply machines to place tags into the sewing systems we supply, or we can print directly onto bags or tape, if a sew and tape system is being utilized.

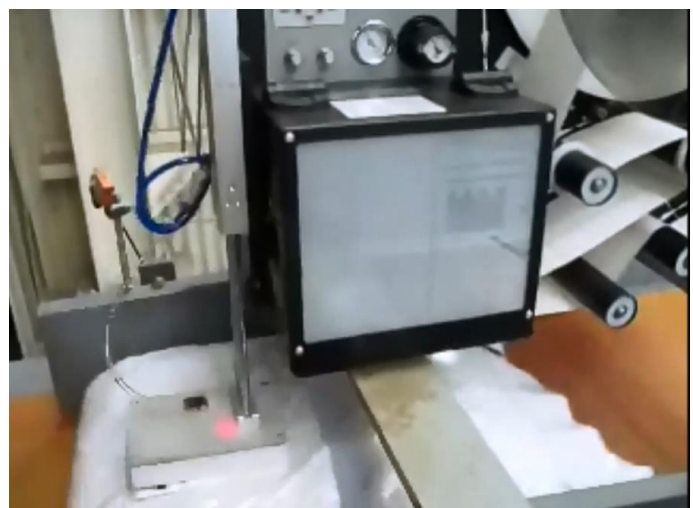


SCAN OR CLICK

More Information



We can also supply print & apply labels to virtually any bag. To offer the correct system, we need to understand your budget, speed requirements, and the amount of data required. Please contact us at [913-441-4788](tel:913-441-4788) for more information.



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Contact Information

Main line phone number:

(913) 441-4788

(913) 441-6830

International Phone Number:

001 + (913) 441-4788

001 + (913) 441-6830

Fax Number:

(913) 441-1711



Company Directory

Equipment Sales/President

Brett Mattson

(913) 441-4791

brettm@jemsscales.com

Office/Sales Manager

Leslie Mason

(913) 441-6830

lesliem@jemsscales.com

Programming/Electrical Department Manager

Ricardo Prado

(913) 745-1785

ricardop@jemsscales.com

General Manager

Branden Arnold

(913) 441-6572

brandena@jemsscales.com

Part Sales & Production Manager

Don Nelson

(913) 745-1780

donn@jemsscales.com

Engineering and Design

Tiago Francoso

(913) 745-1784

tiagof@jemsscales.com

Sales Consultan / latín America

Ricardo García

(811) 585-3343

ricardog@jemsscales.com

Service Técnica / latín America

Jose Camacho

(414) 231-1866

joseg@jemsscales.com

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