

# BULK BAG FILLING SYSTEMS

## QUICKPAK SERIES 330E BULK BAGGING SYSTEM



- Unique "Pin & Ladder" frame adjusts quickly and safely without tools or outside lift device.
- Pneumatic carriage design can be easily programmed to lift, stretch and settle bags during filling for maximum bag capacity and stability.
- Carriage frame adjust on both "X" and "Y" axis to accommodate most all square or rectangular bulk bags.
- Bag loop holders are designed to place load squarely over bag corners and latch and release via pneumatic or spring loaded drives.
- Inflatable packing head assembly bag spout and internally vents air for safe, secure and dust free operation.
- Series 330E can be programmed to fill by weight, volume or time and can be equipped with optional PLC or PC communications.
- Unique design can be engineered as either a welded or bolted frame assembly depending on shipping and assembly considerations.

### A COMMON SENSE APPROACH TO ECONOMICAL PERFORMANCE



Bag loop supports adjustment to accommodate most standard bag sizes and provide safe and secure support of bags during filling with easy single action release.

Adjustable frame offers up to 50" of travel to accommodate most standard bag sizes with minimal changeover time and no tools or lifting.

Pneumatic controls are fully air piloted, requiring no electrical service and feature all components required for manual or semi-automatic operation.

Internal dust vent is designed to vent air and dust to collection systems or filters and can incorporate optional bag pre-inflators.

Inflatable packing head safely secures bag spout to filler and seals against escape of dust.

Heavy duty pneumatic actuators provide 10" of variable frequency lift with either manual or automatic operation to stretch and settle bags for denser packs and enhanced bag stacking characteristics.

Sturdy four-post design with angled tubular cross supports allows unit to be shipped knocked down or fully assembled.

#### OPTIONAL CONFIGURATIONS:

- Weighing systems
- PC/PLC communications
- High frequency vibration
- Powered product feeders
- Bag/Liner pre-inflation
- Box/Drum/Tote adaptors
- Powered conveyors
- Platforms & access ladders
- Pallet dispensers
- H.D. Units - 6000 lb. cap.
- Traversing bag latches

#### Typical Design & Performance Specifications

<b>Maximum Container Weight</b>	4400 lb. (2000 kg.)	<b>Air Requirements</b>	3 to 8 ft <sup>3</sup> at 80 to 100 PSI
<b>Container Style(s)</b>	Bulk Bag, Tote or Drum	<b>Power Requirements</b>	N/A (excluding optional items)
<b>Typical Accuracy</b>	1/10th of 1% of target weight	<b>Overall Dimensions</b>	Approx. 64" x 64" x 98" (std.)
<b>Typical Fill Speed</b>	Up to 30 units per hour	<b>Approx. Wt.</b>	1840 lbs. (835 kg.) less options

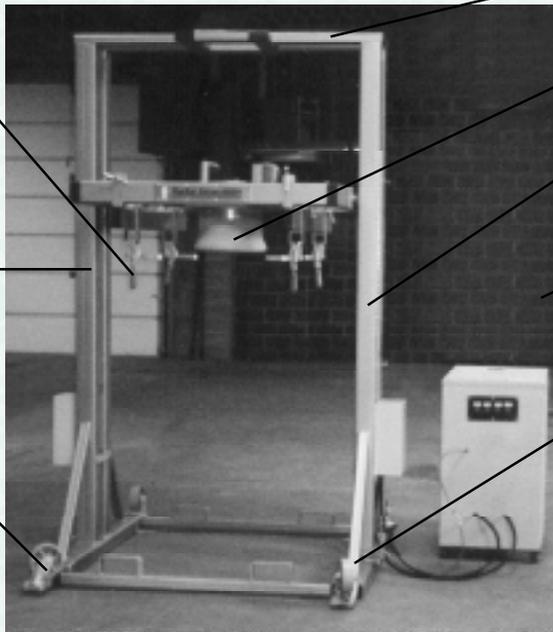
# BULK BAG FILLING SYSTEMS

## RATPAK SERIES 4400 BULK BAGGING SYSTEM



- Rugged bag lift/stretch/settling assembly is available in food grade hydraulic or pneumatic drive and insures bags are filled correctly and allows for easy pallet automation.
- Load bearing assembly supports movement of bag lift carriage without use of any rotating or precision bearings, insuring long life in rugged environments.
- Bag carriage offer fully adjustable travel to accommodate most bag sizes. Size change is made without tools or outside lifting.
- Bag hangers adjust on both "X" and "Y" axis to position bag hooks squarely over the corners of either rectangular or square bags.
- Packing head assembly incorporates inflatable bladder, air/dust relief and bag inflation port to securely hold bag during filling and to seal off dust escape.
- Fully portable using fork truck pockets or unique cam lever casters. Both are easily removed when not in use.
- Hydraulic unit available with revolutionary single port utility system. Simply plug the RatPak power cart into 110V and the system will generate all hydraulic, pneumatic and bag inflation power required for self contained operation.

### REVOLUTIONARY FEATURES THAT BUILD BOTTOM LINE RESULTS



Bag loop holders feature single action latch/release and can be adjusted for most all square or rectangular bags. Optional pneumatic actuation.

Center post design incorporates non-rotating bearing assembly and easy access to all four corners of the bag. Bag size can be adjusted by a single operator without tools.

Casters quickly pin into front frame pockets without tools. Frame is raised and lowered by hand with unique cam system.

Top frame platform isolates telescoping fill tube from product feed to reduce outside influence on the scale system.

Inflatable packing head safely secures bag spout to filler and seals against the escape of dust. Bag vent and inflation ports are integral to the unit.

Twin lift cylinders lift/stretch/settle the bag during the fill cycle. Lift can be controlled manually or via automatic cycle control timers.

RatPak™ power pack (optional) provides all mechanical requirements for lifting force, packing head inflation, and bag inflation (optional) on Series 4400 equipped with "H" option. Simply plug a single cord into 115V power.

Frame base engineered to allow use of existing platform scales up to 60" square or can be equipped with factory installed weighing systems.

#### OPTIONAL CONFIGURATIONS:

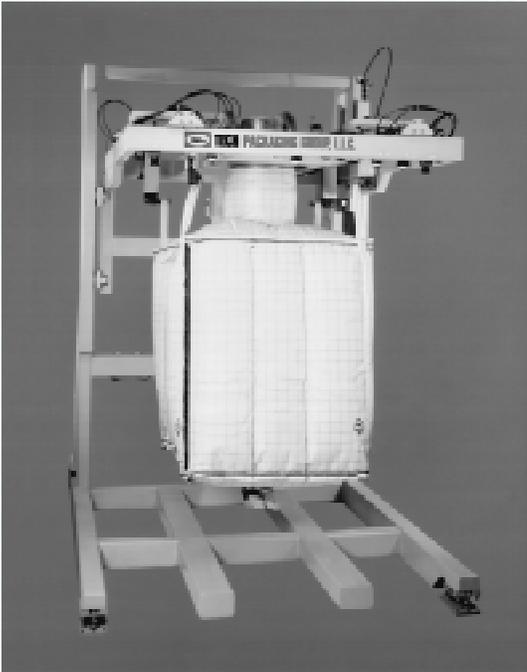
- Weighing systems
- Hydraulic lift (food grade)
- PC/PLC communications
- High frequency vibration
- Powered product feeders
- Bag/Liner Pre-inflation
- Box/Drum/Tote adaptors
- Powered conveyors
- Platforms & access ladders
- Pallet dispensers
- H.D. Units - 6000 lb. cap.
- Traversing bag latches

#### Typical Design & Performance Specifications

<b>Maximum Container Weight</b>	4400 lb. (1995 kg.)	<b>Air Requirements</b>	3 to 8 ft <sup>3</sup> at 80 to 100 PSI
<b>Container Style(s)</b>	Bulk Bag, Tote or Drum	<b>Power Requirements</b>	N/A (excluding hydraulic)
<b>Typical Accuracy</b>	1/10th of 1% of target weight	<b>Overall Dimensions</b>	Approx. 61" x 61" x 98" (std.)
<b>Typical Fill Speed</b>	Up to 30 units per hour	<b>Approx. Wt.</b>	1900 lbs. (862 kg.) less options

# BULK BAG FILLING SYSTEMS

## SERIES 50000 BULK BAGGING SYSTEM



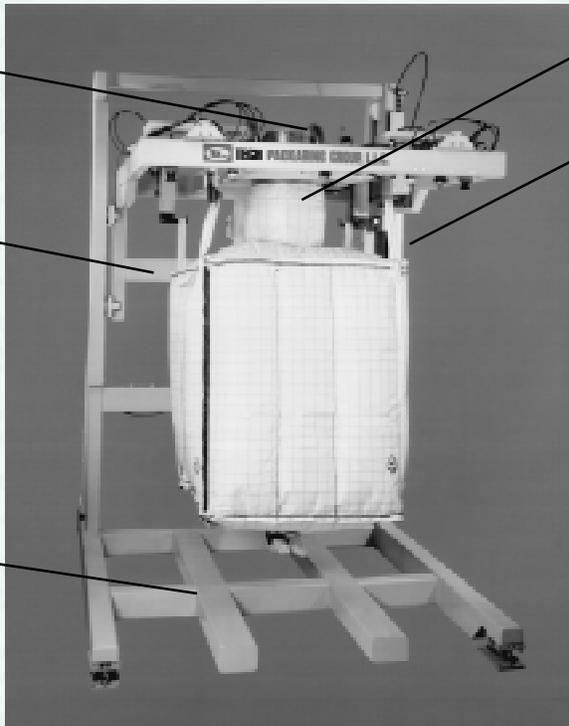
- Cantilevered rear post frame allows easy, unobstructed access to filling area by operators or pallet handling equipment.
- Bag carriage is supported by heavy-duty tubular steel frame and travels on four (4) non-metallic bearings each rated for 12,000 PSI.
- Bag loop hooks and support adjust in both "X" and "Y" axis to accommodate most all square and rectangular bag sizes.
- Fully portable frame with fork pockets to allow easy placement and movement of the entire unit.
- Pneumatic carriage design is easily programmed to lift, stretch and settle bags during filling for maximum bag capacity and stability.
- Unique "pin and ladder" carriage drive allows for easy adjustment for different bag sizes without tools or outside lift devices.
- Base mounted scale allows filling of most all bulk containers including bulk bags, tote boxes, drums and metal IBC's.
- Frame design easily accommodates manual or automated requirements with 270 degree filled bag flow not possible with four post or center post designs.

### UNIQUE ENGINEERING THAT OFFERS MAXIMUM ACCESSIBILITY

Internal dust vent is designed to vent entrapped air and dust during the fill cycle and can incorporate optional filters and variable position vent & purge valves.

Heavy-duty pneumatic lift assembly with non-metallic bearings for long life and safe operation.

Heavy duty base assembly trusses the entire lower frame structure and accommodates a wide range of optional bag settlers and powered conveyors without affecting structural integrity.



Inflatable packing heads are quickly interchanged to accommodate a wide range of bag sizes and rigid container adaptors.

Cantilevered rear post frame allows unrestricted access to filling area and provides for 3 way flow of filled bags and pallets.



Self contained operators station with optional floor enclosure houses all major control components making for simplified setup, relocation and shipping.

#### OPTIONAL CONFIGURATIONS:

- Weighing systems
- PC/PLC communications
- High frequency vibration
- Powered product feeders
- Bag/Liner pre-inflation
- Box/Drum/Tote adaptors
- Powered conveyors
- Platforms & access ladders
- Pallet dispensers
- Non-weighing fill frame
- Traversing bag latches

#### Typical Design & Performance Specifications

<b>Maximum Container Weight</b>	4400 lb. (2000 kg.)	<b>Air Requirements</b>	4 to 9 ft <sup>3</sup> at 80 to 100 PSI
<b>Container Style(s)</b>	Bulk Bag, Tote or Drum	<b>Power Requirements</b>	N/A (excluding optional items)
<b>Typical Accuracy</b>	1/10th of 1% of target weight	<b>Overall Dimensions</b>	Approx. 62" x 85" x 98" (std.)
<b>Typical Fill Speed</b>	Up to 30 units per hour	<b>Approx. Wt.</b>	1770 lbs. (803 kg.) less options

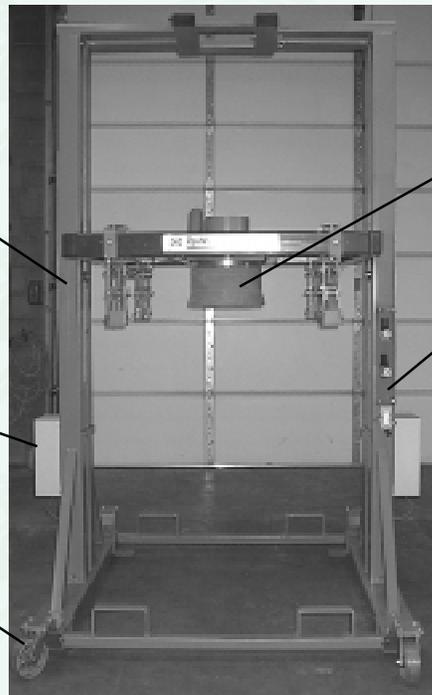
# BULK BAG FILLING SYSTEMS



## PAKMATE SERIES 4100 BULK BAGGING SYSTEM

- Adjustable pneumatic bag stretching assembly insures constant tension on bag lift loops
- Bag carriage assembly “floats” throughout fill cycle on unique polymer slide bearing system insuring free movement and long life in all types of environments.
- Bag carriage offer fully adjustable travel to accommodate most bag sizes. Size change is made without tools or outside lift device.
- Bag hangers adjust on both “X” and “Y” axis to position bag hooks squarely over the corners of either rectangular or square bags.
- Packing head assembly incorporates inflatable bladder, air/dust relief and bag inflation port to securely hold bag during filling and to seal off dust escape.
- Fully portable using fork truck pockets or unique cam lever casters. Both are easily removed when not in use.

## ECONOMICAL ENGINEERING WITH FULL FUNCTION PERFORMANCE



Bag loopholders feature single action latch/release and can be adjusted for most all square or rectangular bags. Optional pneumatic actuation.

Center post design incorporates non-rotating bearing assembly and easy access to all four corners of the bag. Bag size can be adjusted by a single operator without tools.

Casters quickly pin into front frame pockets without tools. Frame is raised and lowered by hand with unique cam system.

Inflatable packing heads safely secures bag spout to filler and seals against the escape of dust. Bag vent and pre-inflation ports are integral to the unit.

Twin cylinders stretch the bag during the fill cycle. Lift pressure is adjustable for bag weight.

### OPTIONAL CONFIGURATIONS:

- Weighing systems
- Powered product feeders
- Bag/Liner pre-inflation
- Box/Drum/Tote adaptors
- Platforms & access ladders
- Stainless steel product contact parts
- Powered pallet conveyors
- HD units - 6000 lb. capacity

### Typical Design & Performance Specifications

<b>Maximum Container Weight</b>	4400 lb. (1995 kg.)	<b>Air Requirements</b>	3 to 8 ft <sup>3</sup> at 80 to 100 PSI
<b>Container Style(s)</b>	Bulk Bag, Tote or Drum	<b>Power Requirements</b>	N/A
<b>Typical Accuracy</b>	1/10th of 1% of target weight	<b>Overall Dimensions</b>	Approx. 61" x 61" x 98" (std.)
<b>Typical Fill Speed</b>	Up to 12 units per hour	<b>Approx. Wt.</b>	1330 lbs. (590 kg.) less options

# BULK BAG FILLING SYSTEMS



## SERIES 100DS BULK BAGGING SYSTEM

- Fully adjustable rear carriage to accommodate different bag heights and styles.
- Frame incorporates built-in fork pockets for quick and easy portability.
- Rear post design allows even wide bags or boxes to be filled and removed without interference from frame members.
- Packing head assembly secures bag or liner spout to filler and vents dust back in to dust collector or filter.
- Bag loop holders can be adjusted in both directions to accommodate both square and rectangular bags and come in standard and low profile configurations.
- Frame design accommodates most existing platform scale systems or can be factory equipped with fill by weight scales.

## FUNCTIONAL SIMPLICITY WITH MAXIMUM VERSATILITY

Bag lift loops are secured with your choice of toggle or spring loaded hook assemblies, including low profile hooks (shown) for applications with limited headroom.

Rear carriage assembly is fully adjustable to accommodate different height bags.

Extra heavy-duty lower platform allows the unit to be used with most existing platform scales and is easily moved with fork trucks.



Packing head assembly secures bag or liner spout to filling process without use of compressed air inflation bladder.

Adjustable guide rails align and secure pallets and boxes within the lower frame.

### OPTIONAL CONFIGURATIONS:

- Weighing systems
- Powered product feeders
- Bag/Liner pre-inflation
- Box/Tote fill adaptors
- Stainless steel product contact parts

### Typical Design & Performance Specifications

<b>Maximum Container Weight</b>	3300 lb. (1500 kg.)	<b>Air Requirements</b>	None (less options)
<b>Container Style(s)</b>	Bulk Bag, Tote or Drum	<b>Power Requirements</b>	None (less options)
<b>Typical Accuracy</b>	1/10th of 1% of target weight (w/optional scale system)	<b>Overall Dimensions</b>	Approx. 60" x 60" x 96"
<b>Typical Fill Speed</b>	Up to 12 bags per hour	<b>Approx. Wt.</b>	1370 lbs. (621 kg.) less options