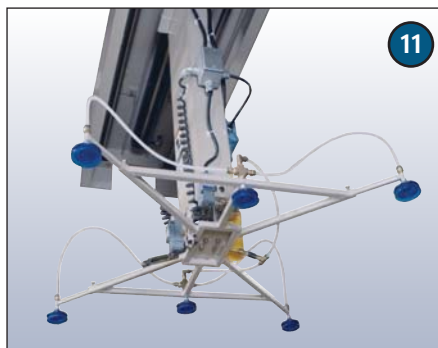


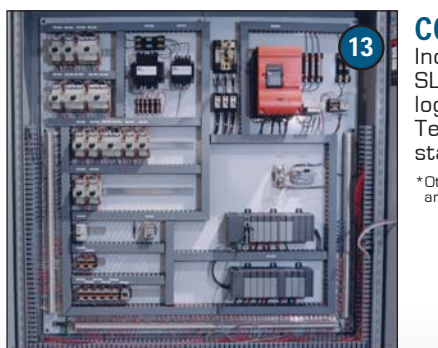
180° BAG-TURNING CONVEYOR
Turns the appropriate bags 180° to provide "Tags Out" or "Butts Out" layer forming. Air-operated bag guides positively control bags during the turn cycle.



EMPTY PALLET DISPENSER AND CONVEYOR
Stores up to 20 empty pallets and dispenses them as needed into the palletizer. The empty pallet conveyor features a pneumatically-operated bar, which automatically squares the pallet for proper entry into the palletizer.



AUTOMATIC TOPSHEET/BOTTOMSHEET DISPENSER
Efficiently places slipsheet using a venturi vacuum system. Alarms for no slipsheet and dropped slipsheet. Manual squaring plates for aligning slipsheet stacks.



CONTROL PANEL
Includes Allen-Bradley SLC programmable logic controllers and Telemecanique motor starters*.
*Other controllers and starters are available upon request.



Touch screen operator interface provides a user friendly means of set-up and operation. Displays machine status and diagnostics as well as help in re-starting after alarm is cleared.



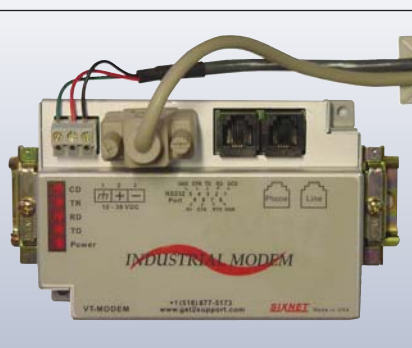
PATENTED BAG TURNWHEEL LAYER FORMING CONVEYOR/LAYER PUSHER
Pop-up bag stops separate bags to maintain shape. Retractable pusher plate moves half layers onto stripper plate, then swings up on the return cycle, allowing the next half layer to be forming while the first is being placed. Available with optional indexing belt.



MAINFRAME/HOIST
Sew-Eurodrive motor provides smooth operation of the hoist. Standard 4000-pound load uses 12.5 HP motor and #100H chain. Heavier loads can be accommodated. Counterweights are used to offset some of the load and provide constant chain tension.



FILLED PALLET CONVEYOR
Gravity conveyor with holding space for three filled pallets is standard. Powered steel mesh belt and roller conveyors are available for staging pallets or for movement into an automatic stretch wrapper.



Convenient modem feature allows Chantland-MHS service technicians to troubleshoot, and fine-tune equipment via a dedicated phone line.

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FUJI ACE ROBOT PALLETIZER

- ◆ Empty pallet dispenser & conveyor with positive pallet placement
- ◆ Slip sheet dispenser
- ◆ Cold and harsh environment upgrades
- ◆ Check weigh and automatic product reject function
- ◆ Simultaneous multi-size product handling
- ◆ Bag turner, kicker and flattener conveyors
- ◆ Filled pallet conveyors

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Designs and specifications subject to change without notice.

Designed and Printed in the United States



ESTABLISHED IN 1943, Chantland-MHS is a premier manufacturer specializing in the design and fabrication of conveyors; bag, box and drum filling equipment and automatic bag palletizers. We provide personal service, innovative designs, quality machinery and guaranteed solutions to industry worldwide.

Our headquarters in Humboldt, Iowa, encompasses over 95,000 square feet of manufacturing and office space. Our facility houses a material testing lab, training rooms for our employees and meeting rooms for our customers and guests. We also maintain regional sales offices in Oklahoma and Colorado to manage our national packaging equipment representative network.

In addition to our patented machine designs, we utilize the newest technology and decades of experience to ensure our customers receive the finest equipment available.

CALL ON US FOR YOUR MATERIAL HANDLING NEEDS, AND PUT OUR EXPERIENCE TO WORK FOR YOU!

PALLETIZING EQUIPMENT & SYSTEMS



Your source for design, manufacture and complete system integration of conveying, packaging and palletizing equipment

U.S. PATENT 4,883,162

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Because production facilities are unique, Chantland-MHS systems are designed to your specific production requirements and restrictions.

Exact site measurements and product evaluations by our sales engineering staff are the foundation of each system.

We work closely with you throughout engineering and fabrication to ensure the most efficient design.

When fabrication is complete, we fully assemble, hard wire and test run the equipment with product from your facility. Customers often visit our plant to witness these tests and to also personally operate the palletizer under the direction of our technicians.

All mechanical and electrical connections are match-marked to make assembly and installation in your plant

accurate and fast. Once the palletizer is assembled and your packaging line is ready to deliver product, one of our service technicians will come to your site to start-up the system.

Start-up typically is completed in three days. The first day we energize the equipment, check all inputs/outputs and begin palletizing product. The second and third days are used to train operators in all aspects of the palletizer operation.

Chantland-MHS' attention to detail guarantees the fastest start-up and highest level of performance found anywhere in the industry.

"Build Quality Equipment - Then Back It Up" is the founding principle of our company and is why customers worldwide trust Chantland-MHS!



BAG KNOCKDOWN CONVEYOR

Accepts bags from sewing or sealing conveyor. Knocks down and turns bags to a bottom-first position for entry into the Bag Flattener.



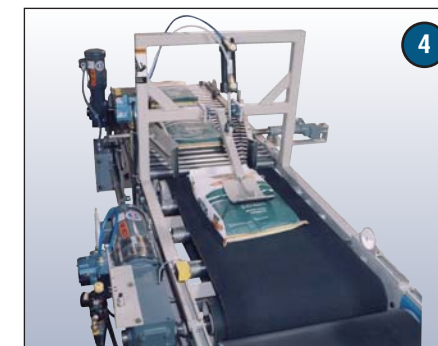
BAG FLATTENER

Compresses and elevates bags to proper height for entry into the palletizer. Upper boom is pneumatic for quick height adjustment. Safety stop cord is standard.



POWER CURVE CONVEYOR

Available in 45°, 90° and 180° curves. Smoothly transfers bags around corners without deforming.



BAG ACCUMULATION AND PACING CONVEYOR

Regulates flow of bags into palletizer allowing bags to accumulate during pallet changeover.



CHECKWEIGHER CONVEYOR

Weights bags in motion and sends reject signal when an off-weight bag is detected. Electronically connected to the Reject Conveyor.



REJECT CONVEYOR

Raises pneumatically to allow off-weight bags to be discharged to the Reject Accumulation Conveyor.

MHE MODEL 1000S SEMI-AUTOMATIC BAG PALLETIZER



DESIGN FEATURES

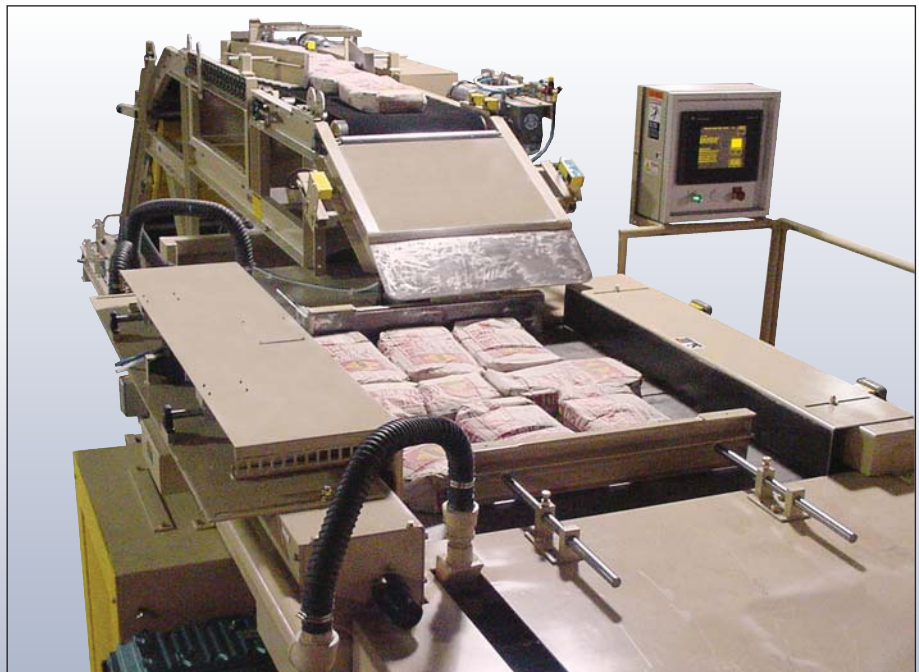
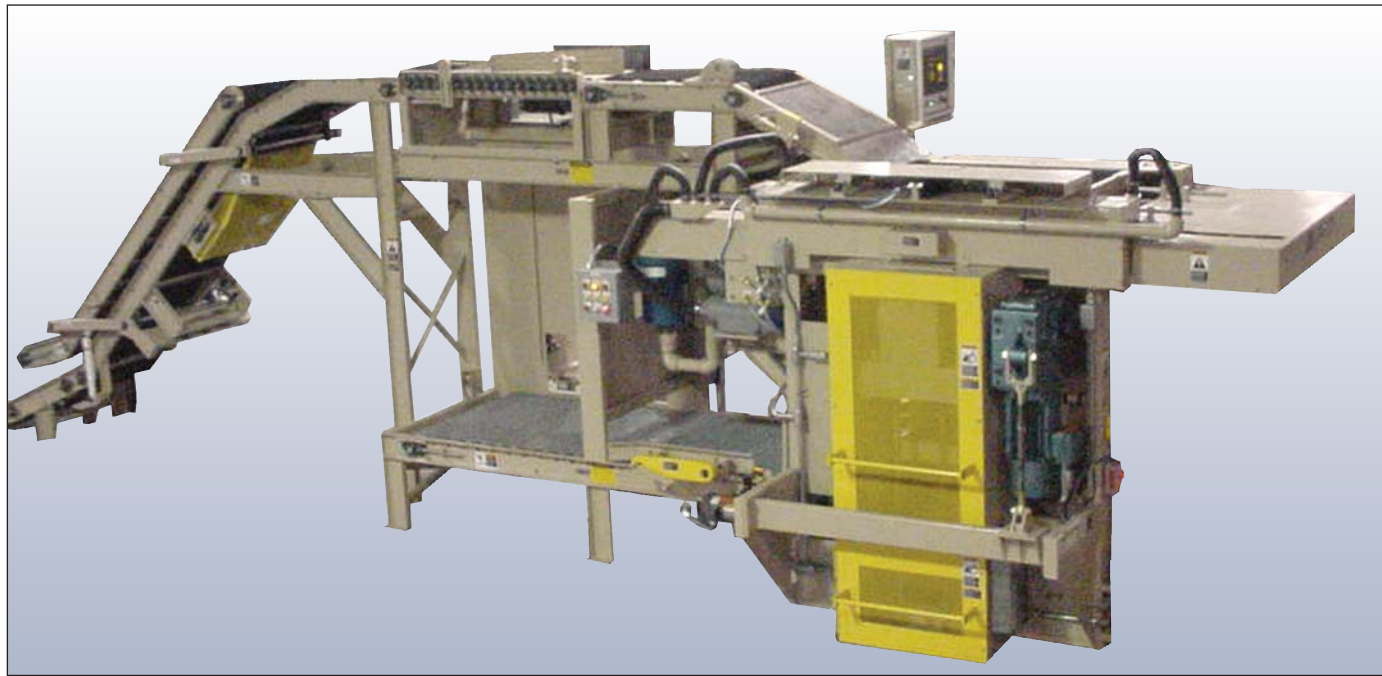
- Empty pallet dispenser with 12 to 14 pallet capacity magazine.
- Automatic empty pallet squaring.
- Automatic layer compression.
- Programmable controller.
- Access platform.
- Heavy duty wire mesh pallet handling conveyors.

TECHNICAL DATA

- Maximum sustained rate: 20 bags per minute
- Maximum pallet size: 54"x54"
- Maximum layer size: 54"x54"
- Maximum unit height: 96"
- Maximum unit weight: 4000 lbs.
- Electrical service: 60 amps at 460/3/60. [depending on conveyor system]
- Air requirements: 20 CFM at 80 to 100 PSI.

AVAILABLE FEATURES

- Automatic slipsheet and pull pak pallet magazines.
- Automatic layer gluing.
- Corrosive resistant packages.
- Low pallet alarm.
- Bag count and filled pallet count production report system.



The Model 1000S is a semi-automatic bag palletizer. All functions except layer forming and opening of the split air floatation plates are automatic. This model provides a maximum sustained rate of 20 bags per minute and features the same quality and reliability for which Chantland-MHS equipment is known.

MHE MODEL 600A & MODEL 900A FULLY-AUTOMATIC BAG PALLETIZER

DESIGN FEATURES

- Empty pallet dispenser with 12 pallet capacity magazine.
- Low pallet alarm.
- Automatic empty pallet squaring.
- Automatic layer compression.
- Automatic filled pallet compression.
- Pneumatically retractable pusher.
- Continuous motion bag turning mechanism.
- Bag count and filled pallet count production report system.
- Programmable controller.
- Access platform.
- Heavy duty wire mesh pallet handling conveyors.

TECHNICAL DATA

- Maximum sustained rate: 600A: 10 bags/bales per minute. 900A: 15 bags/bales per minute
- Maximum pallet size: 54"x54"
- Maximum layer size: 54"x54"
- Maximum unit height: 96"
- Maximum unit weight: 4000 lbs.
- Electrical service: 60 amps at 460/3/60. [depending on conveyor system]
- Air requirements: 20 CFM at 80 to 100 PSI.

AVAILABLE FEATURES

- Automatic slipsheet and pull pak pallet magazines.
- Automatic layer gluing.
- Corrosive resistant packages.

The Model 600A & 900A are low-speed fully automatic, economical bag palletizers. The 600A palletizes at a sustained rate of 10 bags per minute and the 900A palletizes at a sustained rate of 15 bags per minute. Both feature the same high quality construction and patented design as Chantland-MHS' high-speed models.



EXPERIENCE

MHE MODEL 1500A FULLY-AUTOMATIC BAG PALLETIZER

DESIGN FEATURES

- Empty pallet dispenser with 20 pallet capacity magazine.
- Low pallet alarm.
- Automatic empty pallet squaring.
- Automatic layer squaring.
- Automatic layer compression.
- Automatic filled pallet compression.
- Pneumatically retractable pusher.
- Continuous motion bag turning mechanism.
- Bag count and filled pallet count production report system.

- Programmable controller.
- Access platform.
- Heavy duty wire mesh pallet handling conveyors.

TECHNICAL DATA

- Maximum sustained rate: 25 bags per minute.
- Maximum pallet size: 54"x54"
- Maximum layer size: 54"x54"
- Maximum unit height: 96"

AVAILABLE FEATURES

- Automatic slipsheet and pull pak pallet magazines.
- Automatic layer gluing.
- Corrosive resistant packages.



The Model 1500A is a moderate-speed fully-automatic bag palletizer with a sustained rate of 25 bags per minute. This model features the same high quality construction and patented design found in all of Chantland-MHS' models. This model offers an exceptional balance between economy and performance.

QUALITY

PERFORMANCE



MHE MODEL 2400A HIGH SPEED FULLY-AUTOMATIC BAG PALLETIZER



DESIGN FEATURES

- Empty pallet dispenser with 20 pallet capacity magazine.
- Low pallet alarm.
- Automatic empty pallet squaring.
- Automatic layer squaring.
- Automatic layer compression.
- Automatic filled pallet compression.
- Pneumatically retractable pusher.
- Continuous motion bag turning mechanism.
- Bag count and filled pallet count production report system.

- Programmable controller.
- Access platform.
- Heavy duty wire mesh pallet handling conveyors.
- High speed half push mechanism.

TECHNICAL DATA

- Maximum sustained rate: 40 bags per minute.
- Maximum pallet size: 54"x54"
- Maximum layer size: 54"x54"
- Maximum unit height: 96"
- Maximum unit weight: 4000 lbs.

- Electrical service: 60 amps at 460/3/60. [depending on conveyor system]
- Air requirements: 30 CFM at 80 to 100 PSI.

AVAILABLE FEATURES

- Automatic slipsheet and pull pak pallet magazines.
- Automatic layer gluing.
- Corrosive resistant packages.

The Model 2400A is a high-speed fully-automatic bag palletizer with a sustained rate of 40 bags per minute. This model features the same quality construction and patented design as all Chantland-MHS' models but with greater capacity. It is an excellent choice for high speed bagging lines or where two bagging lines merge into one.

