

AMF

ROTARY PIC-N-PAC DEPANNER



- Up to 90 Packages Per Minute
- Breakthrough in Brown 'n Serve Depanning and Packing Efficiency

FEATURES & BENEFITS

Easy Upgrade to Current Plant Operations

- New triple head brown 'n serve roll depanner and packer fits in the same footprint as existing depanners for ease of upgrading your operation

Engineering and Design Innovations

- Dual headed triple package pick-up unit has redundant vacuum sections to minimize lost clusters
- Rack and pinion construction provides a smooth 180° rotary motion to remove rolls from the pan and deposit them into the carton box

High Efficiency and Low Operating Costs

- New operating system reduces product loss and downtime
- The Pic-N-Pac offers a 30% increase over existing brown 'n serve packaging technology, operating at 90 packages per minute

ROTARY PIC-N-PAC DEPANNER

MECHANICAL FEATURES

- Heavy duty stainless steel frame for durability and corrosion resistance
- Two triple package pick-up heads
- 180° rotary motion product transfer to remove rolls from the pan and deposit them into the carton box
- Rack and pinion construction
- Pneumatic head actuation
- In-line vacuum filter system
- Vacuum line connection
- Lightweight aircraft aluminum and Delrin pick-up head construction
- Quick change pick-up heads for easy change without tools from 12 to 8 cluster if required
- Quick change vacuum cups, no tools required
- One 10 HP regenerative blower feeding six independent vacuum chambers
- Pneumatic pan stops for precise pan placement
- Split sprocket conveyor design for quicker maintenance
- Servo driven flight box timing belt conveyor for smooth box feed without shingling
- Plastic tabletop box and pan conveyors for minimum pan wear
- Proximity box and pan sensor
- Adjustable stainless steel side guides
- Adjustable stainless steel with poly insert box guides
- Eurodrive gearmotor drive for pan and box conveyors
- Lexan guards with aluminum framing
- Interlocked access doors from both sides of the unit
- Low noise design – 50% quieter than previous models
- Manual head raising and lowering switch for easy maintenance access
- Pneumatic pan gripping system to assure exact placement of pan for product removal
- Soft start for smooth machine start-up
- Quick changeout of flighted belt for 12 to 8 clusters if required
- Vacuum filters are easily removed for cleaning



Servo Motor to Control Flighted Belt



*Flighted Timing Belt for Indexing
Brown 'n Serve Boxes*



*Regenerative Blower Vacuum
Pick Head*



ELECTRICAL FEATURES

The triple head Pick-N-Pac depanner is equipped with the following:

- Operator control station is a NEMA 4 stainless steel panel where the operator stores all the recipes for set-up and product run data.
- Allen Bradley pushbuttons for:
 - Two button start
- Stop/Emergency Stop
 - Servo Speed Control
 - Manual Index
- Allen Bradley PV-300 Operator Interface
- Two machine mounted NEMA 4X stainless steel enclosures house all electrical components including:
 - Main disconnect switch
 - Troubleshooting indicators
 - Allen Bradley Micrologix 1500 PLC
 - Allen Bradley 160 Inverter
 - Mitsubishi servo controller
 - Omron power supply/Islatrol Plus

- Machine mounted NEMA 4X stainless steel enclosure houses all pneumatic controls including:

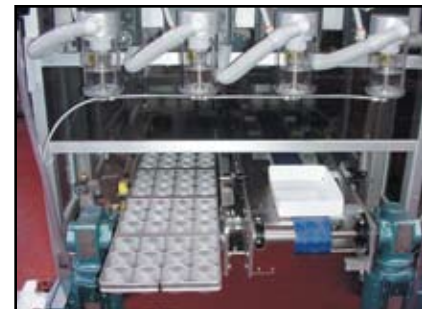
- Solenoid valves
- Pressure regulator



Swing Arm Mounted Operator Panel

OPTIONS

- Two flighted belts for 8 cluster rolls
- Two triple heads for 8 cluster rolls
- Mini French pick head set option (8 x 3)
- Perforated stainless steel guard inserts in lieu of Lexan
- Exair panel cooling for both panels
- Pan back pressure stop
- Stainless steel turn handle for easy adjustment for flighted belt changeover
- Conveyor height changes to met existing infeed
- Quad head pick-up for ultra high speed



Quad Head Option

SPECIFICATIONS

Operation Speed:
Up to 90 packages per minute

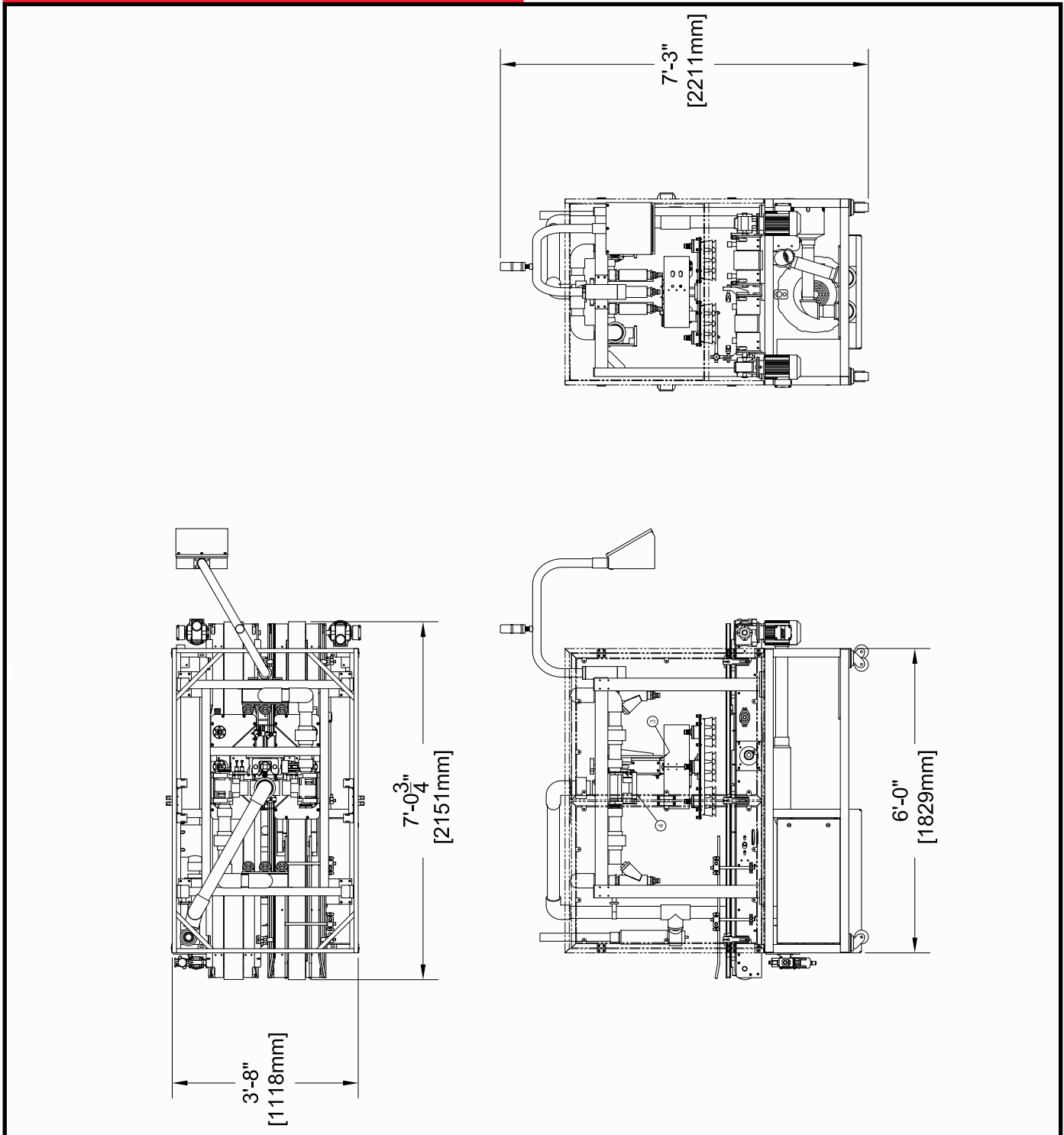
Electrical Requirements:
20 AMPS @ 480 volts, 3 phase
PLC I/O Voltage - 24VDC in/120VAC out
Air Requirements - 8 SCFM @ 80 PSIG

Approximate Shipping Weight:
3,500 lb. (1588 kg)

Approximate Shipping Dimensions:
85" x 46" x 87"
(2159 mm x 1168 mm x 2210 mm)

ROTARY PIC-N-PAC DEPANNER

DIMENSIONAL DRAWING



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AMF's focus on continuous improvement may result in changes to machinery specifications without notice.