

Natural Big Bale Press

Natural Big Bale Press®

Half cut hay in a large package with flakes and quality intact.

Innovative engineering minimizes processing steps, producing container-ready bales faster, and at a lower cost.



The System

The Natural Big Bale Press® is designed to maximize efficiency in processing field big bales for export. Double Press has achieved an impressive machine with a relatively small footprint and a significantly reduced manufacturing cost. With bolted construction, custom configurations require no redesign.

Bales are loaded, cut, pressed, and sleeved with efficiency. This reduces the handling normally required at the back end, as well as the labor needed to run the operation. The process is automatically controlled, or can be manually controlled by the operator.

Loading

Three big bales can be loaded at a time onto the infeed system which feeds them into the cutter. An 8" cylinder pushes a bale through the vertical cut station where knives



Vertical and horizontal slicing coupled with compression yields half-cut bale sizing inside the sleeve.

slice the bales in halves or in quarters between the twine, maintaining the bale's integrity.

Twine Removal

At the operator's station the product can be inspected for quality and consistency, and the twine manually removed.

Weighing

Prior to compression the hay passes on to an infeed scale that selects a predetermined amount of product to be compressed.

Press

The hay is then compressed with a single 18" cylinder, reducing the bale length to about 27". Compression power is supplied either through diesel or electric motors.

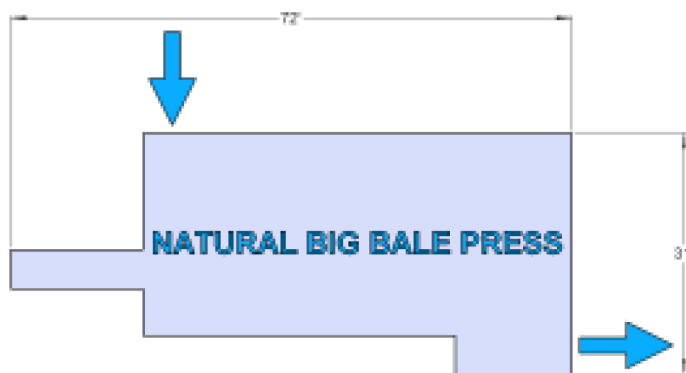
size is 36"H x 48"W x 44"L. This allows it to be placed three bales high and two wide in a high cube container for a total of 52 bales.

Bale Discharger

The sleeved 1000-1100 lb bale is moved away from the ejection port and accumulated for easy access by the clamp operator who can set bales aside or load them directly into a container.

Control

The system is controlled by the press operator via the control panel. As with other Double Press machines, the primary mode is "Automatic". Each of the 9 steps can be



There is some flexibility in layout to fit your available space.

Side Ejection

The compressed, full-weight bale is side-ejected, and may be sliced horizontally before arriving at the sleeving station. The vertical slicing before compression coupled with the horizontal slicing after compression yields half-cut bale sizing inside the sleeve. The customer realizes easier handling, shorter fiber length, and historically consistent package size.

Sleeves

An operator places a woven polypropylene sleeve around the ejection port, which traps and holds the bale as it is being ejected. The finished

manually controlled, making set-up and maintenance an orderly and repeatable process that can be completed by a trained employee.

What's In It For You?

By building a simplified machine that processes big bales directly into sleeved compressed bales, Double Press provides customers big machine efficiency at a fraction of the cost, and eliminates the need for strapping and wrapping machines and material.

The process provides a 3-Tie/Half-cut natural product in a 1000 lb (450 kg) package at a rate of one container per hour.

Specifications

Speed: One shipping container per hour.

Input Sizes:
Big bales (36"H x 48"W x 96"L)

Output sizes: Sleeved,
36"H x 48"W x 44"L
1000 lb (450 kg)

Process Selection: One to one bale conversion, or pre-programmed weighed bales.

Space Requirements:
72'L x 31'W x 9'H, with some flexibility in length and layout to fit existing facilities.

Control System: Computerized control for fully automatic operation. Full manual operation is possible via the Control Panel located on the Press Operator's platform.

Power Requirements: One 480VAC, 3-phase, 600 amp circuit for the 300 horsepower pump motor and one 120VAC, single phase, 20 amp control power circuit.

Hydraulic Oil Source:
1700 gallon Reservoir.

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