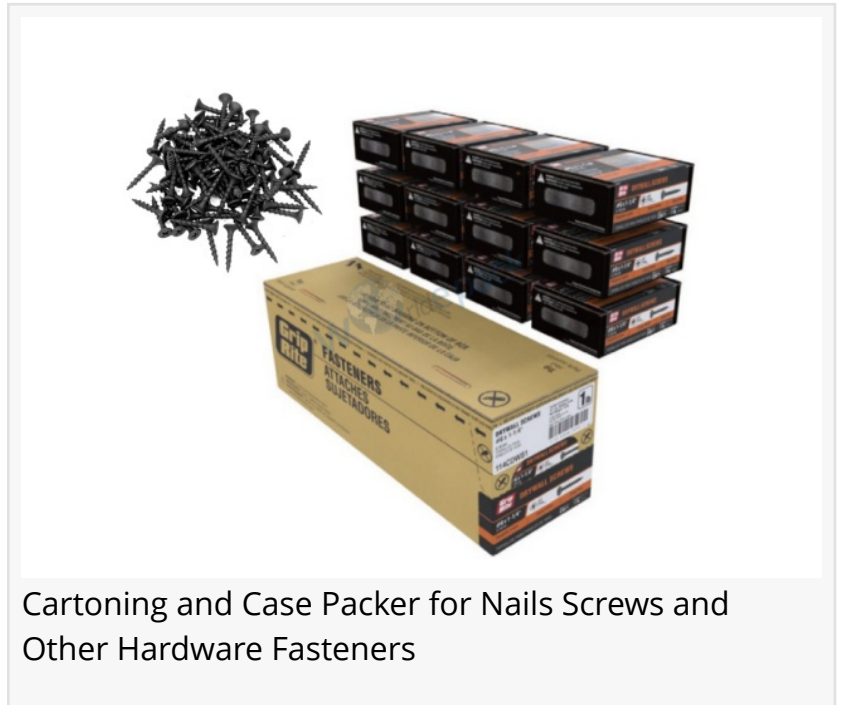


Worldepack Unveils High-Efficiency Cartoning and Case Line for Nail Screw Packaging

Worldepack designed a hardware fastener packaging line featuring a 14-head weigher for 1lb cartons and includes cartoning, and a case-packer.

GUANGZHOU, GUANGDONG, CHINA, November 20, 2024 /

EINPresswire.com/ -- Worldepack recently delivered a [fully customized nail screw packaging line](#) for a hardware fastener manufacturer with specific requirements. This project highlights how Worldepack works closely with customers to design practical, efficient packaging solutions.



Cartoning and Case Packer for Nails Screws and Other Hardware Fasteners

The Customer's Packaging Needs

Screw

1. The screw sizes vary from 2.65mm x 25.4mm to 3.9mm x 114.3mm.
2. The screw unit weights vary from 1.34~ 11.5g/pcs.
3. Each inner box is packed with 1lb screws/nails.
4. Weight tolerance per box is +/-3% □ speed :20~30 times per min

Carton

1. Folding box form: Same as your sample
2. Carton sealing form: same as your sample
3. Carton folding speed: 20-30 pieces/minute
4. Inner box size: 115.5 mm x 88.9 mm x 44.6 mm/

Case

1. Packing quantity: 3*4 arrangement, 12 boxes/case
2. Sealing form: top and bottom seal
3. Corrugated master carton size: 362 mm x 125 mm x 144 mm.

Worldepack's Solution

After carefully assessing the client's needs, Worldepack proposed multiple options and ultimately delivered a fully automated system with the following configurations:

Multi-Head Combination Weigher

[Automatic Cartoning Machine](#)

Case Packing Module

1. Options Based on Production Capacity

Option 1: For production capacities requiring 10–15 boxes per minute, a 10-head 2.5L weigher is recommended. Each box weighs approximately 500g, and the weighing speed is 15–20 times per minute. This setup pairs with a single magnetic sorting machine, which operates at a speed of around 10 boxes per minute.

Option 2: For higher capacities of 15–25 boxes per minute, a 14-head 2.5L weigher is suggested. This scale achieves speeds of 20–30 times per minute and pairs with two magnetic sorting machines for faster operation.

2. Options Based on Carton Type

Option 1:

For folding boxes with an insertable tongue, the design retains the window for customers to open, remove screws, and reseal the box repeatedly. A corner labeling machine is required to secure the closure. Additionally, the box should leave a 2–3cm gap below the sealing height to ensure smooth tongue insertion. This option has a lower box sealing cost but requires the labeling machine for secure closure.

Option 2:

For glue-sealed boxes, glue can be applied on one or three sides.

Three-sided glue: This blocks the box window, increasing sealing costs. However, it allows the tongue to adhere externally, preserving the window design and eliminating the need for a corner labeling machine.

One-sided glue: This option reduces glue costs while maintaining the window design. The box's tongue adheres externally, combining functionality with cost efficiency.

By tailoring these options, Worldepack ensures that the client receives a cost-effective, high-performance packaging solution that meets both production and design requirements.

What Makes This Line Special

Spot-On Accuracy: Multi-head weigher ensures every carton weighs exactly 1 pound, cutting waste and keeping the product consistent.

Adaptable Design: The system works with different nail screw sizes and types so that the client can use it for other products in the future.

Speed and Efficiency: The automated process saves time and reduces labor costs from start to

finish.

Tough and Reliable: Built to handle the sharp edges and weight of nails, the system runs smoothly even under heavy workloads.

Tailored Integration: Worldepack designed the line to fit perfectly into the client's existing setup, ensuring a seamless workflow.

A Great Example of Custom Solutions

This project shows how Worldepack listens to its customers and builds systems that solve their specific problems. By combining advanced technology with a flexible approach, Worldepack helps businesses improve production, save money, and deliver high-quality products.

About Worldepack

Worldepack specializes in [packaging machinery for industries](#) like hardware fasteners, food, and pharmaceuticals. The company is known for its innovative designs and customer-first attitude, making it a trusted partner for manufacturers worldwide.

Wrapping It Up

Worldepack's custom nail packaging line is a game-changer for hardware manufacturers. With its focus on precision, flexibility, and efficiency, this solution sets a new standard for automated packaging.

To learn more, visit Worldepack's website or reach out to their sales team!

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