

The Pneumatico Pallet Assembly Table Explained



What is a Pallet Assembly Table?

The Pneumatico Pallet Assembly Table, is an ergonomically designed, semi-automated system for the manufacture of a wide range of pallet types.

What makes the Table "Semi-Automated"?

The Pallet Assembly Table requires **one** operator to use the system. Features such as the overhead rail system to easily manoeuvre the nail guns, and the pneumatic lift, which aids significantly when flipping or removing pallets, speeds up the manufacturing process.

What are the key ergonomic features?

- The **angled** table ensures all areas of the pallet can be reached easily.
- The table is designed with a comfortable working height for easy loading and unloading.
- Balancers** are used to support the weight of the nail guns significantly reducing operator fatigue and allowing continuous production.

What types of Pallets can be made?

The Assembly Table can produce **two** and **four-way** pallets such as Chemical Pallets (CP1 – CP5), Euro Pallets and Stringer Pallets.



What Size Pallets Can be made?

The size of the pallet is determined by the model of Table.

The Pallet Assembly Table is available in **three** models:

PT-1900

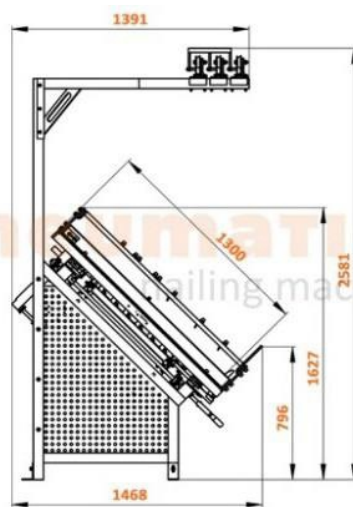
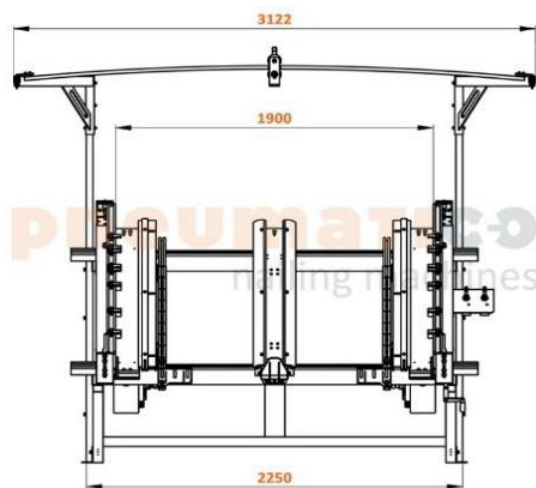
Pallet Length – 900mm – 1300mm
 Pallet Width – 1300mm

PT-2800

Pallet Length – 800mm – 2800mm
 Pallet Width – 1500mm

PT-3300

Pallet Length – 800mm – 3300mm
 Pallet Width – 1500mm



How many pallets can be produced on the Table?

A single operator is able to manufacture approximately 200 pallets per day.

How does it fit into an Automated Line?

The Assembly Table is an extremely beneficial addition to the Automated line, sitting adjacent to it in the production process. The system slots into the production process in the following ways:

- 1.As an additional means of production, allowing volume orders for different pallet types to be fulfilled, while leaving production on the automated line uninterrupted.
- 2.Integrated into the production line for manufacturing one part of the pallet such as the base (Feet), with the top deck boards produced on the Automated Line.

What are some other Features/Benefits?

- The ability to quickly and easily interchange between production of different pallet types.
- The tables have a small footprint to minimise the space used in the factory.
- Only requires compressed air to become operational.

How will the Pallet Assembly Table Benefit my Business?

- Eliminate Delays** - Supply chain and supplier delays are avoided by producing pallets in house.
- Order Flexibility** - Allows the flexibility to take orders for **short** or **custom** pallet runs not suited to Automated Lines. Simply put, many pallet companies are either unable or unwilling to undertake this type of work without significant price increases.
- Increased Profitability** - By producing in-house, profits are kept within the business and not reduced or lost to the competition.
- Quality Control** – All pallets coming off the Assembly Table are produced identically, guaranteeing a quality and repeatable product for the customer both now and in the future.
- Responsiveness** – Orders with a short manufacturing time run the risk of potential delays, and inflated costs when buying from a competitor. These risks are negated if production is not outsourced but kept within the business.
- Fully Utilise Staff** – During the course of the working day underutilised staff can be assigned to producing stock of high demand pallets.
- Continuous Productivity** – Ensures continuous production is maintained by minimising the effects of fatigue, which in turn improves the working conditions for the operator.
- Low Running Costs** – Due to the design, replacement parts are inexpensive, and importantly, there is no requirement for a periodic manufacturer service visit or costly maintenance plan.
- ROI** – On average Return on Investment is between 6-12 months.

About AT Z-Motion

Based in Colchester, Essex, we are experts in the field of CNC technology and supply Routers, Laser Cutters, Pallet Assembly Tables and Hot Wire Cutters.

As engineers we also offer maintenance and machine relocation services.

Coming Next – The Pneumatico WT-2 Pallet Repair Table