

TAV BIP

Double-decker Horizontal Table

Double-deck work table designed for the automatic handling of welded elements and accessories to be assembled simultaneously, in order to speed up assembly logistics. Thanks to this system, boards welded by two or more different welding lines can be directed and sorted to subsequent processing lines, arranged in parallel, in order to maximise productivity without fatiguing the operators.

Presentation

Automate to Speed

The structure, made entirely of aluminium profiles bolted together, is equipped with several stations consisting of horizontal fabric belts, designed for handling the welded squares and driven by electric motors. It is also equipped with lateral workbenches with variable height, which allow the processing of the squares transported by the table.

The Pluses of the Horizontal Sliding Table

Cutting-edge solutions

1. **Solid and durable structure.**
2. It allows production to be channelled to several stations placed in parallel to increase productivity.
3. **High user-friendliness, assisted by simple and intuitive software.**



The movement of the system is provided by electric motors that drive the conveyor belts. The tables are arranged in series, at a fixed distance from each other, to facilitate the passage of the squares from one table to another. The plant configuration includes: an initial table, where the square to be processed and the relevant accessories to be assembled are positioned; a "lift" station, which sorts the squares on two levels; and one or more two-storey stations, each equipped with a workbench. In these stations, the operators pick up the squares from the upper level to perform the machining operations and, once completed, reload them on the lower level, from where they are transferred to the next station. Each station is equipped with a monitor for viewing and handling the parts, as well as a barcode scanner for classifying them.

Specifications

Dimensions

Length	4000 mm
Width	2050 mm
Height	up to 1500 mm
Weight	1000 kg

Details

Power Installed	1Kw
Power supplied	230/400 V
Min. Exercise Pressure	-7 bar

Operational Characteristics

Composition

Structure

Contact surface made of felt mats

Workbenches equipped with hydraulic lifting, with a large, extensible metal trellis top covered with polyzzen strips to allow workpieces to be handled without risk of damage. Prepared for integration with the customer's information system and for housing accessory containers. PC and monitor for production flow management. Barcode reader.

Processing

Automatic handling of welded elements.

Operators variables from 2 to 5

Technical Characteristics

Performances

Dependent on the sources to which it is connected.

Max. movable panel dimensions

Length	3.200 mm
Width	2.800 mm

Optional

On request, the system can be equipped with:

Double-deck add-on stations for increased productivity

