

# HDMV

## Vertical bench for drilling and automatic assembly of hinges

CNC-controlled multi-axis table **designed to automatically drill and mount hinges** on frames, with the possibility of mounting **hinges also on intermediate uprights**.

The HDMV is the **ideal solution to automate the preparation and assembly of hinges**: the bench is prepared for integration into an automated window production line.

### Presentation

#### Fully Automatic Operations

The bench is equipped with **multiple pneumatic vices** – horizontal and vertical – for safe and precise clamping to determine the correct mounting positions. The HDMV is also equipped with a multiple drilling head for simultaneous and fast drilling, gripping hand and storage for hinges, screwdrivers with automated screw feed.



### 5 reasons to choose HDMV

#### Optimisation and Savings

1. **Lower labour costs:** performs both painting and drilling independently.
2. **Greater Accuracy:** measurements made automatically according to the inside width of the glazing groove on the already welded frame.
3. **Space optimisation:** different operations reduce space requirements: one machine for 3 operations.
4. **More performance:** faster execution speed.
5. **User Friendly:** simple and immediate management and easy configuration.



The **holes are made according to the internal reference** determined by automatic measurement of the internal frame width referred to the glazing groove.

The HDMV ensures a perfect PVC drilling cycle, managed by **automatic drilling and screwing depth control** and is equipped with an automatic reset sequence at the end of machining.

## Specifications

### Dimensions

Length	8.200 mm
Width	4.700 mm
Height	3.000 mm
Weight	3.500 Kg

### Details

Power installed	10 Kw
Power	400 V
Air consumption	100 NI/min
Min. Pressure Exercise	8 bar

## Operational Characteristics

### Composition

#### Structure

Steel tubes and multiple heads.

#### Machining

Drilling, mounting and screwing hinges on frames and intermediate uprights.

## Technical Characteristics

### Operators n. 1\*

\*Only for loading hinges and screws

### Workable square dimensions

Depending on the welding machine return 3.200 x 2.800 mm

## Optional

### On request, the system can be equipped with:

Right-hand or left-hand loading.

Version with enlarged conveyor belt for Dormat Large.

Double heads for use with different hardware brands.

Heads with 90° rotation for drilling on horizontal transoms for tilt-and-turn windows.