004NV

Motorised Vertical Shuttle

Shuttle driven independently via a **brushless motor** which drives a chain and sprocket transmission system and permits **high transfer speeds** (up to 2 m/sec.).

Equipped with a **fixed vertical structure inclined by 8°** from the vertical to provide a stable support for the components, it is designed to move frames and leaves (single or coupled) via **four high-capacity idle wheels which run on dedicated tracks** fastened to the floor.

Introduction

High speed of Translation

The structure, made entirely of powder-coated welded tubular section steel, is equipped with a **conveyor belt** powered by **inverter-driven** asynchronous motors and a contact surface composed of dedicated idle wheels which are **able to transfer the parts** – **even at different speeds** – towards a vertical storage rack or towards a driven automated storage and retrieval system.

The plus of Motorised Vertical Shuttle

Advanced solutions

- **High working** mission speeds.
- **Low operating and maintenance costs**.
- **Simple construction.**
- **Ideal for supplying assembly and glazing lines.**

Everything is designed to **optimise movement of the frames**: To facilitate entry and exit, the shuttle is equipped with vertical rollers at the sides of the rack, while – in order to guarantee fast, safe passages – the system is equipped with **front guards** in order to stop the window from falling following sudden or emergency stops.

Specifications

Dimensions

Length	1.900 mm
Width	3.600 mm
Height	3.000 mm
Weight	900 Kg

Details

Installed Power	9,0 Kw
Power Supply	400 V
Air Consumption	50 Nl/min
Operating Pressure	7 bar

Operating Features

Composizione

Structure
Motorised conveyor belt.
Contact surface composed of dedicated idle wheels.
4 high-capacity wheels which run on tracks.
Vertical rollers at the sides of the rack.
Front guards.

Machining
Moving frames and leaves (single or coupled).

Operators 1

Technical Features

Performance

Average mission time* (loading/transporting/unloading): 30 sec.

* Depends on line length.

Automatic Loadable Frame Dimensions

Length	1.400 mm
Width	2.800 mm
Height	130 mm

Optional

Upon request the machine can be equipped with:

System with pinion for transmission of motion to belts.

Grappling hook for movement of the squares.

Available Variants
Version for **Useful Frame** 2.800 x 3.600 mm (Vers. 004NV36).
Version for **Useful Frame** 3.200 x 4.000 mm (Vers. 004NV40).
Version for **Useful Frame** 2.800 x 5.000 mm (Vers. 004NV50).