

Vertical Shuttle with Rotation

Independently driven shuttle designed for loading and unloading of parts from and to any motorised logistics system, roller conveyors or storage systems. Thanks to its rotation system, it is **able to transfer leaves, frames or complete windows, changing their position quickly** (up to 2 m/sec.) **and precisely** (0.5 mm translatory and 0.1° rotation).

The system features a **fixed vertical structure inclined by 8°** to provide a stable support for the components, and it **allows +/- 180° rotation of the parts**.

Introduction

Fast and Precise Translation

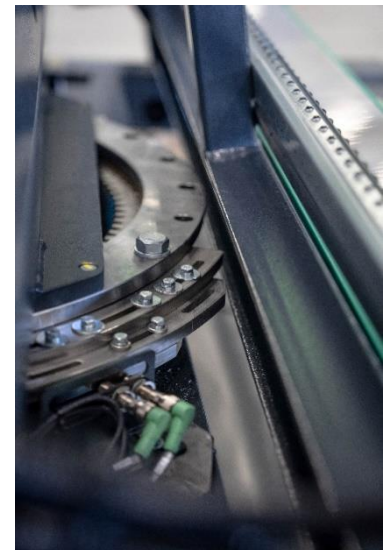
Constructed entirely of powder-coated welded tubular section steel, the shuttle features a conveyor belt powered by **inverter-driven motors** and a **contact surface composed of dedicated idle wheels** which allow the components to be transferred at different speeds, where required.



The plus of Vertical Shuttle with Rotation

Ideal for every production line

- ✓ **High operating speed** (vertical movement only).
- ✓ **Ideal for connecting lines which are not parallel and for supplying glazing lines.**
- ✓ Can supply **symmetrical lines**.



Everything is designed to optimise movement of the frames. To facilitate entry and exit, the shuttle is equipped with **passage 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.

Movement is provided by a **brushless motor** which powers a chain and sprocket transmission system, and via **four high-capacity idle wheels** which run on dedicated **tracks fastened to the floor**.

Specifications

Dimensions

Length	1.900 mm
Width	3.600 mm
Height	3.000 mm
Weight	950 Kg

Details

Installed Power	10 Kw
Power Supply	400 V
Air Consumption	30 NI/min
Operating Pressure	7 bar

Operating Features

Composition

Structure

Contact surface composed of dedicated idle wheels.
 Motorized conveyor belt.
 Fixed vertical structure inclined by 8°
 Passage rollers at the sides of the rack.
 Front guards.

Machining

Transfer of leaves, frames or complete windows by changing their position.

Operators 1

Technical Features

Performance

Average mission time* (load/transport/unload): 45 sec.

* Depends on line length.

Moving Frame Dimensions

Length	3.200 mm
Width	2.800 mm
Height	130 mm

Optional

On request the implant can be equipped with:

System with **pinion for motion transmission** to storage belts.

Grapple for square movement.

Available Variants

Version for **Useful Frame** 4.000 x 3.200 mm (Vers. 005NV40).