



Versatile Solutions for Pallet Handling

**Marv**  
AUTOMATION

# Pallet

## Industrial Handling Solutions

### Professional Systems for Pallet Handling

Maximize efficiency and streamline your logistics with our **custom pallet handling systems**. We design and manufacture **high-performance conveyor systems, transfer units, and elevators** to ensure seamless pallet movement across your production and storage areas.

Our systems are **custom-engineered** to integrate seamlessly with your existing automation, enhancing **speed, safety, and productivity**. Whether you need a **fully automated solution** or **modular enhancements**, we provide **robust, durable, and tailored solutions** to fit your industry's needs.





### **Roller Conveyors**

Smooth and reliable pallet transport, reducing manual handling and increasing automation.



### **Pallet Elevators**

Vertical movement solutions for multi-level operations, saving space and improving efficiency.



### **Transfer Systems**

Precision pallet redirection with advanced shuttle and transfer units for optimal workflow.

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# Highlights



## Customized Applications

Modular system designed to transport pallets weighing up to **1,500 kg** at speeds of up to **0.5 m/s**. It operates efficiently within a temperature range of **+5°C to +45°C**, with **deep-freeze solutions available upon request**.

Thanks to its **flexible control system**, the system can be customized to accommodate **various load capacities**, support **variable speeds**, and integrate **advanced positioning functions** to meet your specific operational requirements.



## Space-Saving Design

A conveyor solution that combines various modules is generally installed at an optimal height, ensuring easy pallet insertion and removal using a forklift truck. Lower assembly heights are also possible for simple conveyor lines, offering flexibility to meet different operational needs



## Modulare Structure

Our fully pre-assembled modules are designed for seamless integration, significantly reducing installation time. The **modular structure** not only ensures a quick and hassle-free setup but also allows for **easy and cost-effective modifications or expansions**, adapting effortlessly to evolving material handling needs.



## Energy Saving

**high-efficiency gear motors with inverters**, designed to optimize energy consumption and enhance system performance. These solutions ensure smooth operation, reduce energy costs, and contribute to a more sustainable and eco-friendly production environment.



*Pallet Flow : The Ideal Choice for Fast Turnarounds and Optimized Storage*



# Technical Data

	From	To	Options
Max. Load Capacity	1000 kg/m	3000 kg/m	
Conveyor Speed	0,1 m/s	0,5 m/s	
Ambient Temperature	+5° C	+45° C	Deep Freeze applications on request
Roller pitch	75		
Roller diameter	60	80	

Traction – motor type	By Gearmotors with Inverter
Torque Transmition	Chain
Voltage	400 V +N + T
Modules Length and width	Fully customizable

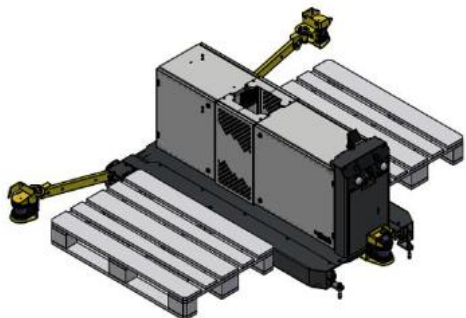
# Robotic Palletizer

The Collaborative Flexible Palletizer (CFP) is an innovative solution designed to enhance efficiency and safety in various industrial settings. This state-of-the-art palletizer is engineered to work alongside human operators, ensuring seamless integration into existing workflows.

	HuEvo10	HuEvo20	HuEvo30
Maximum payload	14kg	22kg	28kg
Pallet type	EUR/US	EUR/US	EUR/US
Maximum Pallet height	circa 1,8mt	circa 2,2mt	circa 2,2mt
Speed	6/8 box/min	6/8 box/min	6/8 box/min
Robot Model	Jaka Zu16Pro	Omron TM25S	Fanuc CRX-30iA



- ✓ **Flexibility:** Adaptable to different pallet sizes and configurations, making it suitable for a wide range of applications.
- ✓ **Economical:** Cost-effective design that reduces operational expenses while maintaining high performance.
- ✓ **Safety:** Equipped with advanced safety sensors and features to ensure safe collaboration with human workers.
- ✓ **Ease of Use:** User-friendly interface and quick setup process, minimizing downtime and training requirements.
- ✓ **Sustainability:** Energy-efficient operation and eco-friendly materials contribute to a reduced environmental footprint.



**Safety Option**





***Boost your efficiency with innovative pallet handling solutions!  
Contact us today to find out how we can optimize your operations.***

***[www.marv-automation.com](http://www.marv-automation.com)***