

Dual M-Stack Palletizer

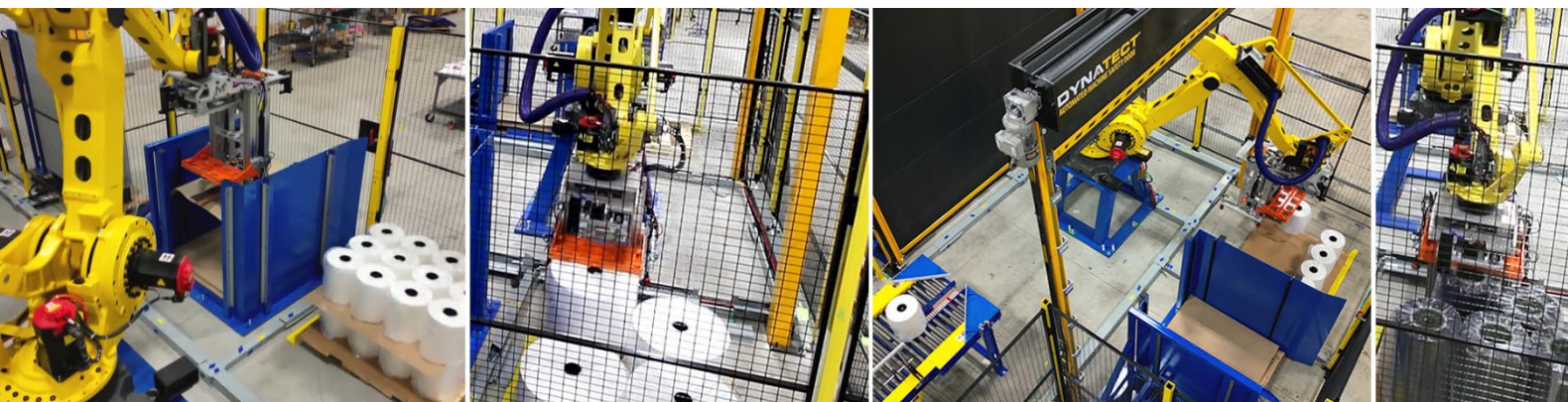


This guide highlights how the Dual M-Stack Palletizer increases throughput and reduces labor costs by enabling continuous operation. Unlike traditional systems, the Dual M-Stack supports one line-but features a key enhancement: a built-in safety door. This allows operators to remove and replace pallets on one side while the robot continues stacking on the other, eliminating costly downtime.

Comparison Chart

Feature / Benefit	Dual M-Stack Palletizer	Traditional Palletizer
Product Lines	One	One
Product Sizes	Can vary per run	Usually One
Pallet Positions	Two, alternating	One
Continuous Operation	Yes, with safety door	No, must stop for pallet change
Need for Pallet Dispenser	Not required	Often required
Labor Flexibility	1 operator can manage 4-5 units	Typically 1:1 operator/system
Footprint Efficiency	Compact with dual-station use	Single station
Throughput Potential	Higher due to zero-stop flow	Interrupted flow
Cost of Ownership	Lower-no dispenser automation	Higher with additional automation

*Variety of sizes and weight of rolls can all be run in this cell



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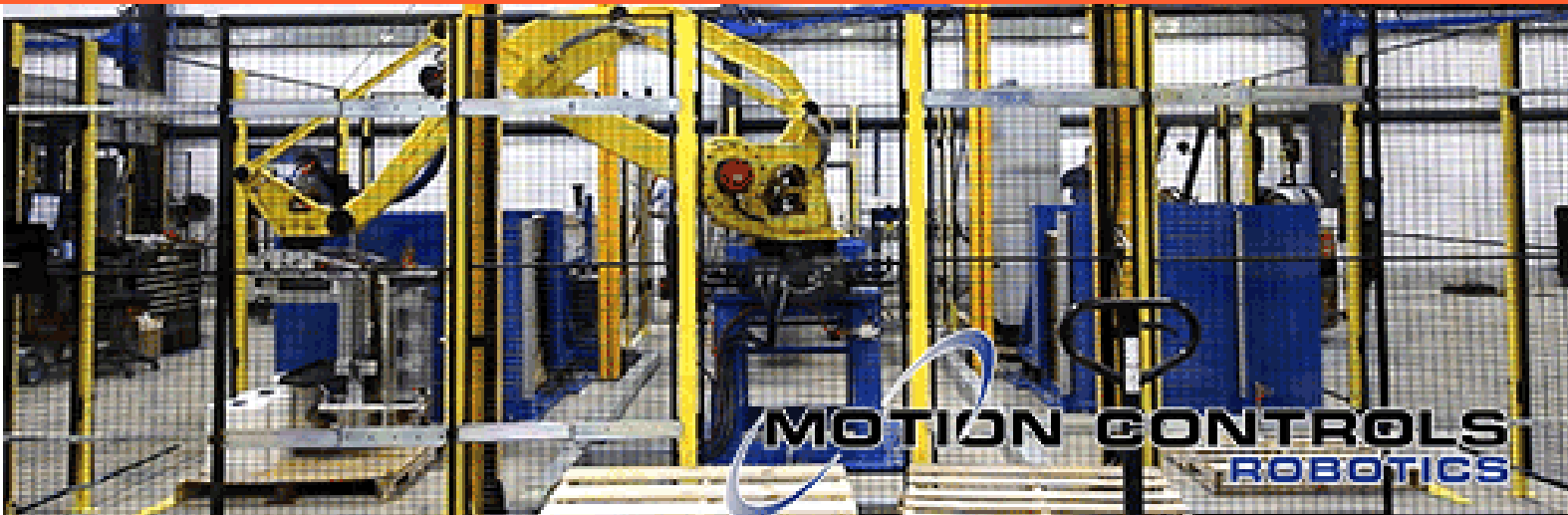
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Technical Specs Snapshot

Feature	Dual M-Stack
Max Palletizing Rate	24+ products/hr per line
Footprint Size	~400 sqft (customizable)
Robot Model	FANUC M-410iC or similar
Max Payload	160-210kg
Safety Standard	ISO 10218-1:2025

Ideal Applications

Application	Dual M-Stack Palletizer	Traditional Palletizer
Product Type	Cases, Rolls, Bags, Pails/Buckets	Can be limits
Single product lines	Ideal	Common
Facilities without pallet automation	Great fit	Requires add-ons
Limited operator availability	Highly efficient	Less efficient
High throughput needs	Excellent	Moderate



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Decision Checklist

Use this checklist to determine if the Dual M-Stack is a fit for your facility:

- ☐ You run multiple product sizes and weights per line
- ☐ You want to avoid the cost of automating pallet handling
- ☐ You need to increase throughput without expanding your footprint
- ☐ You have limited staff
- ☐ You want to keep costs down but performance high

If you checked 3 or more, the Dual M-Stack could deliver strong ROI for your operation.



Let's Talk About Palletizing Efficiency

Get a custom layout, throughput simulation, and ROI projection for your facility.

Email:
sales@motioncontrolsrobotics.com

Phone: 419-334-5886

Website:
<https://motioncontrolsrobotics.com>

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Contact us at sales@mcri-us.com