OMRON

Meet the

TM25S + TM30S

Collaborative Robots

OMRON's TM S robots are built for collaborative applications with substantial payloads of up to 30 kg. Designed for seamless human-robot collaboration, these heavy-payload robots eliminate the need for restrictive safety zones, resulting in optimized workspaces and workflows.

TM25S

Payload 25 kg*	Reach 1902 mm
Axis 6	Arm Weight 81.6 kg

TM30S

Payload 30 kg*	Reach 1702 mm
Axis 6	Arm Weight 80.6 kg

**A special dongle is available which increases the maximum payload for Performance Mode by an additional 5 kg for the TM25S and TM30S models.*

Customer-Centric Solutions

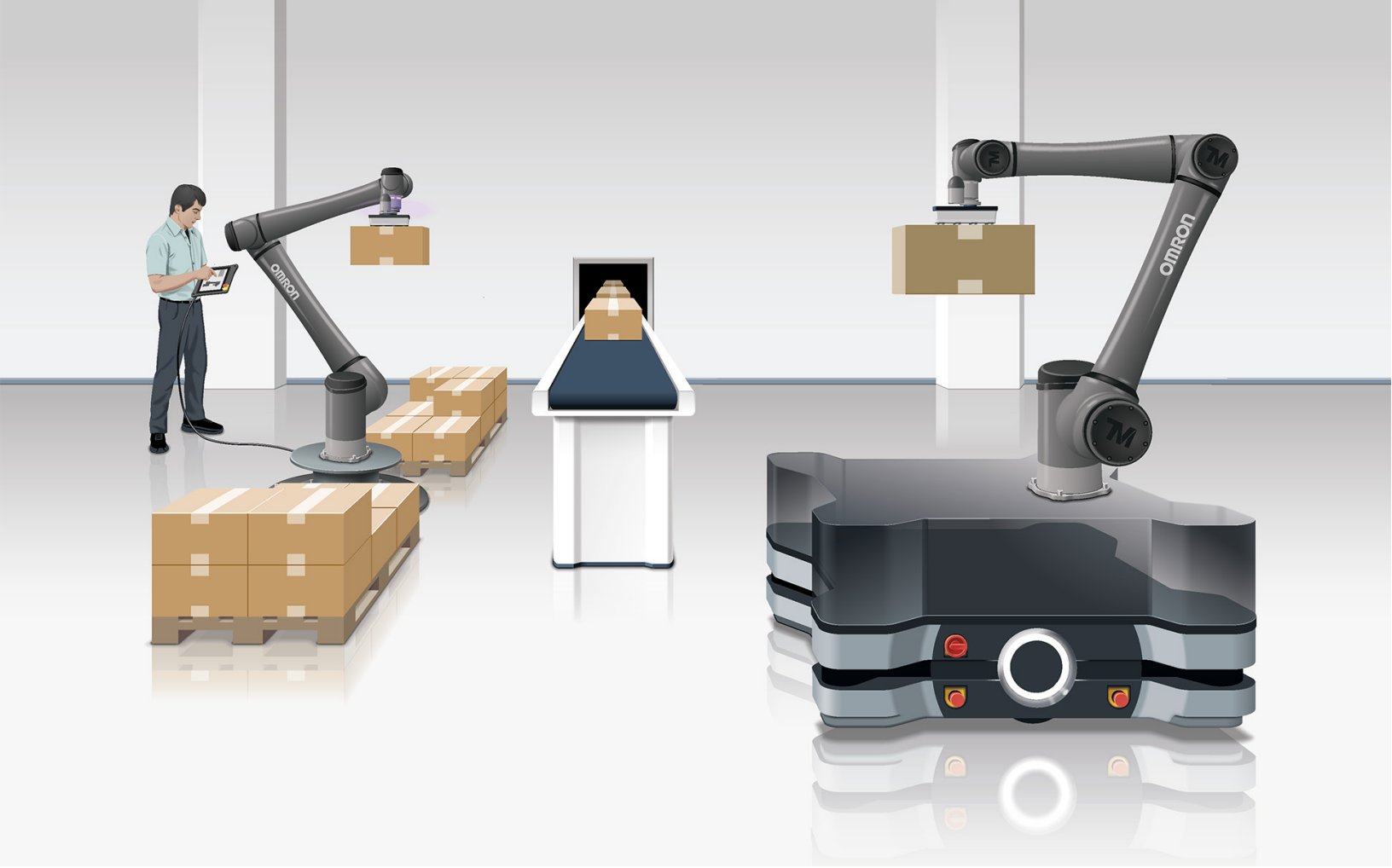
Addressing Key Needs

- Handles a Variety of Heavy Loads
- Operates in Tight Spaces
- Provides Complete Flexibility
- No Lifting Equipment

How do the TM25S + TM30S Address these Challenges?

- **Heavy Payload:** The 25 kg and 30 kg payload capacities allow the robots to handle heavy items safely and consistently, which reduces physical strain and enables the manipulation of larger, more awkward parts.
- **Liftless Installation:** The long reach and heavy payload ratings enable the robots to efficiently move heavy components over longer distances without additional lifting equipment or multiple operators, thereby streamlining material flow.
- **Simplified Programming:** OMRON TMS robots incorporate user-friendly features, and can be programmed using a variety of methods, including hand guidance, flow-chart programming, and manual scripting.
- **Safety:** Built-in safety features allow the heavy-payload robots to work safely alongside humans without protective work cells, enabling automation in collaborative environments and maximizing floor space utilization.*
- **Built-in Vision System:** The integrated 2D vision system allows the robots to locate, inspect, and manipulate parts even if they are not in a fixed position. Built-in intelligence enables the robots to adapt to variations and perform more complex tasks autonomously.
- **Seamless Integration:** The ease of robot programming and deployment allows for greater flexibility in production, enabling quick adjustments to handle different tasks or product variations without significant downtime or investment.

**Once proper risk assessment has been completed.*



Applications Where the TM25S + TM30S Excel

Palletizing

The high payload and extended reach of the OMRON TM25S (25 kg, 1902 mm reach) and TM30S (30 kg, 1702 mm reach) enable efficient handling of heavy items in palletizing applications. Optional integrated 2D vision ensures precise box placement to reduce errors and decrease cycle time.

MoMa

OMRON's heavy payload robots are perfect for Mobile Manipulator (MoMa) applications, offering efficient and capable heavy object handling across large areas. As a single-source provider for both arm and base, OMRON ensures seamless integration and simplified support, enabling powerful and easily managed MoMa solutions.

Other applications include but are not limited to:

- Machine Tending
- Assembly
- Material Handling
- Quality Inspection
- & More!

Experience the Benefits of the TM25S + TM30S

Boosted Productivity

Handle more, faster. The TM25S and TM30S's ability to manipulate heavy payloads at high speeds leads to increased throughput.

Safe Operations

Both models have over 30 TÜV-certified safety functions that help to reduce the risk of injury from straining or repetitive tasks.

Greater Versatility

High-payload, long-reach, and robust vision tools enable versatile application integration. Easy programming methodology allows for rapid redeployment.

Connectivity

The TM25S and TM30S robots support a wide variety of communication protocols, including Ethernet, IP, Profinet, EtherCAT, Modbus, Serial, TCP/IP, and IO.

Space Efficiency

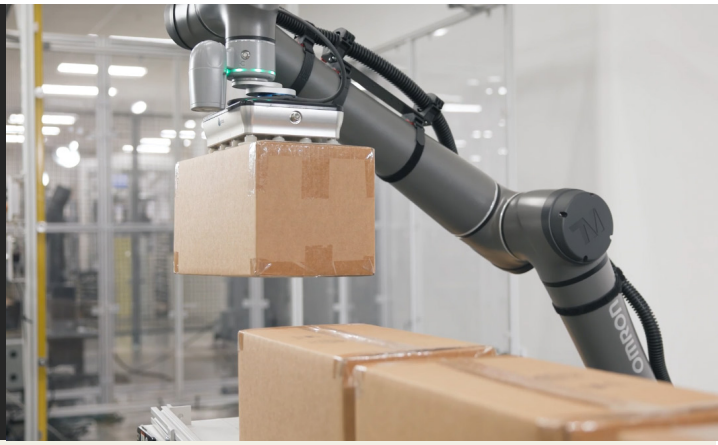
The extended reach of the TM25S and TM30S negates the need for separate lifting equipment, and the lightweight design facilitates easy installation.

Lower Costs

Reduce labor, equipment costs, and time needed to train programmers. Ensure consistent, precise work to minimize errors and material waste.

Learn more about our heavy payload collaborative robots.

SCAN HERE to view additional resources



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