

# OMRON



## Meet the **TM20S** Collaborative Robot

The TM20S joins the S Series of OMRON TM robots, delivering powerful performance with a 20 kg payload capacity and a 1300 mm reach. This robust robot is perfectly suited for heavy-duty applications requiring both flexibility and safe human-robot collaboration.

 Payload  
20 kg

 Reach  
1300 mm

 Axis  
6

 Arm Weight  
33 kg

 Repeatability  
±0.05

### Customer-Centric Solution Addresses Key Pain Points

- Physically Demanding Tasks
- Harsh Environments
- Complex Deployment
- Difficult Programming

### What Makes the TM20S the Superior Solutions for these Challenges?

- **High Payload, Lightweight Arm:** The high payload and extended reach enable full automation of heavy palletizing tasks, reducing labor costs and eliminating repetitive strain injuries. Meanwhile, the lightweight 33 kg arm simplifies installation, relocation, and integration, allowing faster deployment and more flexible use across production lines.
- **IP65 Rating and ISO Class 3 Certification:** The robot can reliably perform precise tasks in environments where humans can't or shouldn't work, such as washdown zones or critical electronics cleanrooms, ensuring safety and uptime.
- **OMRON TM Landmark Positioning:** TM Landmark virtually eliminates recalibration downtime by allowing the robot to quickly self-locate its new work position, ensuring high uptime and flexibility for quick product changeovers and mobile deployment.
- **Built-In Vision (Optional):** The integrated vision system simplifies setup using OMRON's flow-based software, allowing the robot to be taught new visual tasks and redeployed quickly with minimal programming effort.

# Experience the Benefits of the TM20S

## Automate Demanding Tasks



The 20 kg payload and 1300 mm reach enable full automation of heavy-duty applications like palletizing, reducing labor costs and eliminating worker strain injuries.

## Rapid Deployment



The lightweight 33 kg arm simplifies installation and relocation, resulting in faster integration and more flexible use across production lines.

## Simplified Setup and Changeovers



The optional Built-in Vision and intuitive user experience (TMflow) simplify programming and allow the robot to be taught new visual tasks and redeployed quickly with minimal effort.

## Maximized Uptime and Mobility



OMRON TM Landmark Positioning virtually eliminates recalibration time, ensuring high uptime and crucial flexibility for quick product changeovers and mobile deployment.

## Reliability in Challenging Environments



IP65/ISO Class 3 certifications allow the robot to reliably perform precise tasks in environments like washdown zones or electronics cleanrooms, ensuring continuous operation.

## Intuitive User Experience



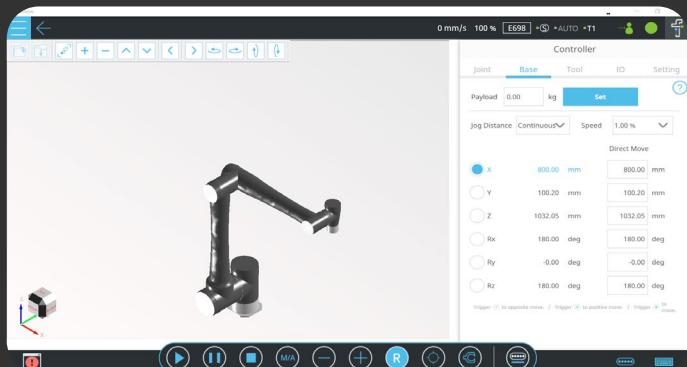
OMRON's flow-based software (TMflow) makes it easy to program and operate the robot, lowering the barrier to entry for new users and accelerating task development.

## The TM20S is powered by TMflow

Unlock the full potential of our robots with intuitive programming, advanced vision integration, and powerful automation tools.



**SCAN HERE**  
to learn more



**Visit our website to explore the TM20S**

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