

Product Description

The Omni Automation TMSU is a top module that provides shelving positions for autonomously transporting product, materials, supplies, parts or good in Manufacturing Facilities, Institutions and Warehouses.

These flexible adjustable shelving units can be field modified to meet your needs. The shelves have a capacity of up to 100 lbs. per shelf and are available in painted steel, aluminum, stainless steel or wire mesh.

Several options are available including custom painting, caging, lockable doors, fixturing, hangers and many other options.



Specifications

TMSU

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Shelving Unit Dimensions	The shelving unit is 30" wide, 18" deep and with heights up to 72" tall (86" including the MiR 100 robot).
Shelf Weight Capacity	The maximum shelf capacity is 100 lbs per shelf with a total payload capacity of 200 lbs.
Number of Shelves	Units are available in 3 to 6 shelf configurations.
Shelf Materials	Shelves are available in painted steel, aluminum or stainless steel. Wire mesh shelves are also available.
Shelf Guarding	All shelves have a ½" upward lip to keep cargo from sliding off a shelf. Additional caging is also available.
Weight Capacity	The maximum conveyor payload capacity is 100 lbs.
Communications	These top modules communicate with the MiR robot and the host system by Wi-Fi or Bluetooth.
Operator Interfaces	Touchscreen operator interfaces are optionally available and can be mounted to the Top Module.
Sensors	Each top module includes one photoelectric sensor to detect the presence of the payload. Additional sensors are available.
Battery	Second MiR battery required. Up to 8 hours between charges.
Options	Special shelves, special custom fixturing, custom hangers, and locking compartments are also available. Optional three or four-sided caging with hinged doors are available. Special paints and materials are available.

Contact Omni Automation for information on additional top modules or custom top modules.

Mobile Robots



The **MiR100™** is a safe, cost-effective mobile robot that quickly automates your internal transportation and logistics. This 100kg payload robot optimizes workflows, freeing staff resources so you can increase productivity and reduce costs. This robot has a towing capacity of 300kg.



The **MiR200™** is a safe, cost-effective mobile robot with a 200kg payload capacity. This mobile robot has a towing capacity of 500kg.

Common Top Modules

TMRC



The Omni Automation **TMRC** is a powered roller conveyor that mounts on top of these robots. A mobile robot with a **TMRC** top module can autonomously transport product, materials, supplies, parts or good in Manufacturing Facilities, Institutions and Warehouses.

TMSU



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TMROR



The Omni Automation **TMROR** is a top module with a robotic arm that performs various tasks throughout a facility. These robotic arms utilize a Collaborative Robot with a payload capacity of up to 10 KG. These robots can be used to retrieve product, perform manufacturing tasks, or work along-side humans in industrial manufacturing.

TMBC



The Omni Automation **TMBC** is a powered belt conveyor that mounts on top of these mobile robots. A mobile robot with a **TMBC** top module can autonomously transport product, materials, supplies, parts or good in Manufacturing Facilities, Institutions and Warehouses.

Contact Omni Automation for information on additional top modules or custom top modules.