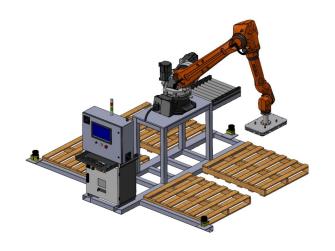
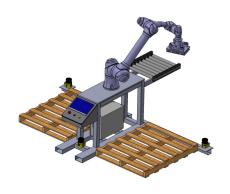
MOBILE PALLETIZING SYSTEMS







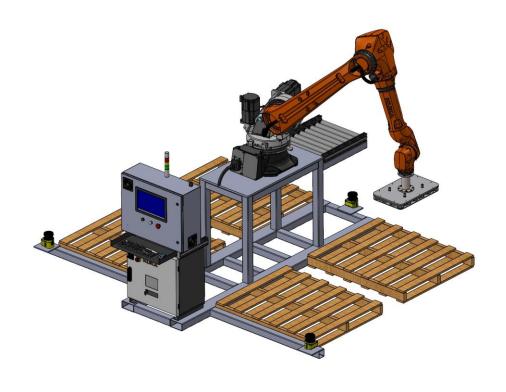


If your manufacturing or distribution operation requires a flexible approach to Material Handling Capabilities, then TX-Robotics may have a Solution to your Material Handling Requirements.

Check out our available models.



MOBILE PALLETIZING SYSTEMS



4 POSITION MOBILE PALLETIZING SYSTEM

Our 4 Pallet Position Mobile System maximizes productivity where multiple container sizes need to be palletized. This system can also be deployed where trucks or containers are being unloaded, where automated palletizing can greatly enhance getting products unloaded, palletized, and moved to warehouse locations.

FEATURES:

Robot Payload up to 70 kg
System is easily moved with Forklift
Safety Area Scanners insure security without fencing
Systems are available with Vision Enhanced container
detection and orientation control



MOBILE PALLETIZING SYSTEMS



2 POSITION MOBILE PALLETIZING SYSTEM

Our 2 Pallet Position Mobile System maximizes productivity where multiple container sizes need to be palletized. This system can also be deployed where trucks or containers are being unloaded, where automated palletizing can greatly enhance getting products unloaded, palletized, and moved to warehouse locations.

FEATURES:

Robot Payload up to 70 kg
System is easily moved with Forklift
Safety Area Scanners insure security without fencing
Systems are available with Vision Enhanced container
detection and orientation control



MOBILE PALLETIZING SYSTEMS



1 POSITION MOBILE PALLETIZING SYSTEM

Our 1 Pallet Position Mobile System maximizes productivity where a lightweight and compact system is sufficient. This system is perfect for palletizing containers where a pick rate up to 10 containers a minute is required. Available at a price which guarantees a fast return on investment.

FEATURES:

Robot Payload up to 30 kg
System is easily moved with Forklift
Safety Area Scanners insure security without fencing
Systems are available with Vision Enhanced container
detection and orientation control



MOBILE PALLETIZING SYSTEMS

COLLABORATIVE MOBILE PALLETIZING SYSTEM

Our Collaborative Mobile System maximizes productivity where the workplace dictates Collaborative operation.

This system is perfect for palletizing containers in areas that are in close proximity workers or other equipment.

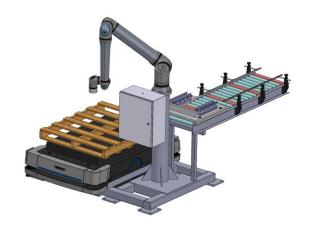
If the pick rate is higher than allowed for collaborative operation then the system can be equipped with area scanners to meet Safety Standards.

FEATURES:

Robot Payload up to 25 kg
System is easily moved with Forklift
Safety Area Scanners insure security without fencing
Systems are available with Vision Enhanced container
detection and orientation control



AMR / AGV READY SYSTEMS









All of our Systems can be configured for operation with Autonomous Mobile Robots, both Platform and Forked type units. Our **TX-STACK** Operating System seamlessly integrates the AMR Fleet Management System to provide complete control of AMR traffic throughout the facility.



TX-ROBOTICS® TX-STACK® USER INTERFACE AND OPERATING SYSTEM

All TX-Robotics systems are controlled by our **TX-STACK** (R) Operating System, which runs on a State of the Art Hybrid Industrial PC/PLC system using a Windows 10 Embedded operating system. This system is capable of real time PLC control in addition to concurrent execution of Windows 10 apps, which includes the Pallet Pattern management, Vision System, and AMR Vehicle Fleet Management System, if equipped. **TX-STACK** (R) provides seamless integration of Vision Inspection using State of the Art camera systems that employ AI technology.



System Main Screen



Robot Interface Screen



Box Placement Screen



System Configuration Screen



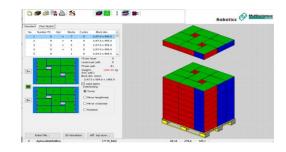
PLC - I/O Interface Screen



Vision Inspection Screen



Product Selection Screen



Pallet Pattern Management Screen

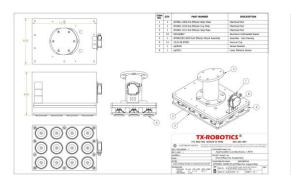


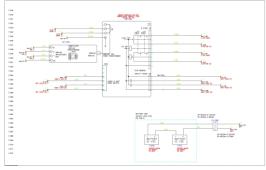
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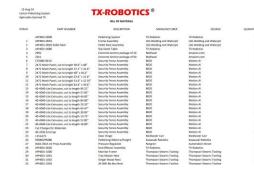
121 INTERPARK BLVD. SUITE 703 SAN ANTONIO TEXAS 78216 (830) 305-1057 (210) 487-9403

TX-ROBOTICS® DOCUMENTATION AND OPERATION MANUALS

All TX-Robotics Systems are delivered with a complete set of documentation, which is provided in easy to access PDF format, and available directly from the Touchscreen User HMI.







Assembly Drawings



Electrical Schematics

Bill of Material







Recommended Spare Parts List

Operations Manuals

Periodic Maintenance

3. Check Cables and Hoses on End Effector to insure they are supported and not

2. Check vacuum cups on End Effector for damage Minimum acceptable vacuum is -3 psi

binding. Make sure to keep adequate free play. 4. Remove any debri from pallet racks to insure proper nesting of pallets

1. Clean dust filters on Vacuum Generators 2. Clean dust off sensor heads and Safety Scanners

Program Backups



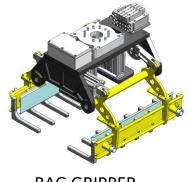
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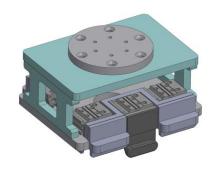
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DAILY ---

WEEKLY ---

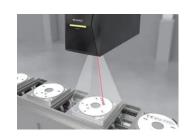
TX-ROBOTICS® END OF ARM TOOLS, AND OPTIONAL FEATURES











BAG GRIPPER

RPC CRATE GRIPPER

VISION SYSTEMS

LABELING

LASER MARKING

We offer a wide range of End of Arm Tools to suit whatever products you are stacking, We can also custom design tools to suit any application.

Where required, we can equip your system with a wide range of secondary operations such as vision systems, labeling, barcode reading, RFID tracking, and Laser marking.

