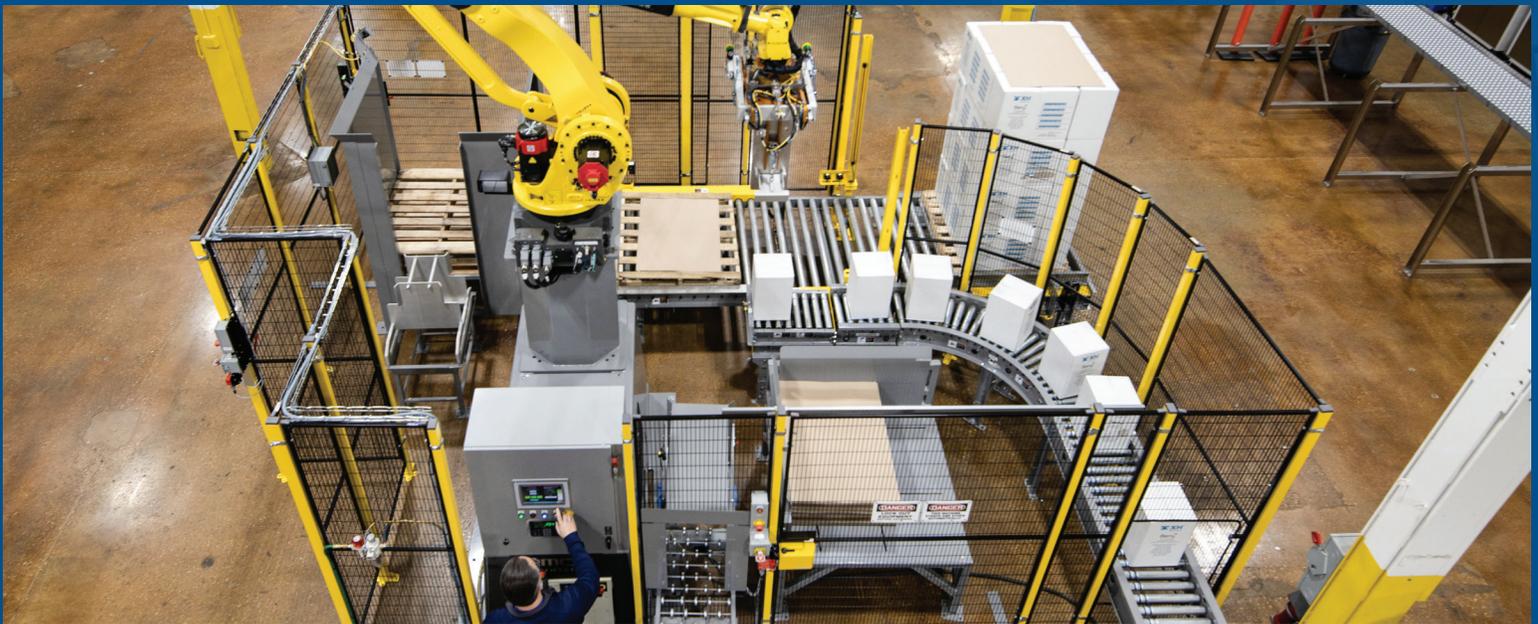


Quick-Ship Palletizers



MMCI Robotics' Quick-Ship Palletizer models are designed to provide you with an affordable and immediate answer to your palletizing needs.

- ✓ Typical delivery within weeks vs. months
- ✓ Space-saving design
- ✓ Pre-programmed for easy operation
- ✓ Lower cost for improved ROI
- ✓ Installed and running in days, not weeks
- ✓ Lease options starting at \$2,675/month



Feature

Advantages

Benefits



Smart-Base

- Incorporates controller, controls & HMI
- Conceals and protects critical components
- Eliminates "spaghetti" method of wiring

- Small footprint
- Enhanced reliability
- Improved safety



Pattern Pro

- Change pallet patterns on the fly
- Reduces changeover delays
- Easily build new stacking patterns

- Reduced programming
- Greater operator control
- Added flexibility



Point Lock

- Simplifies design and programming
- Streamlines installation
- Easy to re-locate

- Reduced design time and cost
- Installs in days, not weeks



Safe-Zone

- Complies with category 3 safety standards
- Defined safety zones
- Pre-engineered

- Protects workers and robot
- Utilizes space efficiently
- Reduced cost



Smart Buy

- Competitive prices
- Lease options starting at \$2,675/month

- Reduced cost
- No capital investment

6 Standard Configurations

Each pre-engineered configuration starts with our QSP-100 or QSP-200 robotic palletizers that can be enhanced with one to three automation features.



Single Position - Build on Floor
+ Manual Pallet Placement/Removal



Single Position - Build on Floor
+ Sheet Hopper



Single Position - Build on Conveyor
+ Pallet Hopper



Single Position - Build on Conveyor
+ Pallet Hopper + Sheet Hopper



Dual Position - Build on Floor
+ Manual Pallet Placement/Removal



Dual Position - Build on Floor
+ Sheet Hopper

Specs



	QSP-100	QSP-100S	QSP-100CP
Footprint	11'11" x 10'9"	15'2" x 12'6"	17'9" x 15'11"
Application	One production line running one SKU at a time; Sealed cases, trays and bliss boxes that can be top picked with either vacuum or clamp End-of-Arm Tool		
Base & Control Cabinet	QSP Smart Base featuring Allen Bradley PLC		
Operator Interface	10" in Allen Bradley Panel View Color HMI featuring QSP Pattern Pro		
Safety	QSP Safe-Zone including light curtain at pallet exit location		
Continuous Operation	No	Yes	Yes
Case Size Range	Length 9" – 29" Width 5" – 21" Height 3" – 24"		
Max. Case Weight	Up to 50 lbs		
Max. Case Rate	Up to 30 CPM		
Max. Pallet Height	Up to 90" including pallet		
Case Infeed and Positioning Conveyor	TGW IntelliROL motorized roller conveyor with reference pusher		
Robot Options	FANUC M20iD/25 FANUC M710iC/50H FANUC M410iC/110 FANUC M410iB /140H FANUC M410iC/185		
End-of-Arm Tooling	Vacuum Gripper or Clamp Tool for single case handling		
Pallet Conveyor	No	No	Yes
Sheet Handling	Manual	Robotically	N/A
Pallet Handling	Manual	Manual	Conveyor
Floor Jack Pallet Exchange	Yes	Yes	No
Forklift Pallet Exchange	Yes	Yes	Yes
Support Structure and Design	Preassembled with QSP Point-Lock design for simplified installation		
Price	Competitively priced and part of the QSP Smart Buy lease program		

Specs



QSP-100CPS

QSP-200

QSP-200S

Footprint	18'3" x 16'1"	15'2" x 12'6"	15'0" x 12'4"
Application	One production line running one SKU at a time; Sealed cases, trays and bliss boxes that can be top picked with either vacuum or clamp End-of-Arm Tool		
Base & Control Cabinet	QSP Smart Base featuring Allen Bradley PLC		
Operator Interface	10" in Allen Bradley Panel View Color HMI featuring QSP Pattern Pro		
Safety	QSP Safe-Zone including light curtain at pallet exit location		
Continuous Operation	Yes	Yes	Yes
Case Size Range	Length 9" – 29" Width 5" – 21" Height 3" – 24"		
Max. Case Weight	Up to 50 lbs		
Max. Case Rate	Up to 30 CPM		
Max. Pallet Height	Up to 90" including pallet		
Case Infeed and Positioning Conveyor	TGW IntelliROL motorized roller conveyor with reference pusher		
Robot Options	FANUC M20iD/25 FANUC M710iC/50H FANUC M410iC/110 FANUC M410iB/140H FANUC M410iC/185		
End-of-Arm Tooling	Vacuum Gripper or Clamp Tool for single case handling		
Pallet Conveyor	Yes	No	No
Sheet Handling	Robotically	Manual	Robotically
Pallet Handling	Conveyor	Manual	Manual
Floor Jack Pallet Exchange	No	Yes	Yes
Forklift Pallet Exchange	Yes	Yes	Yes
Support Structure and Design	Preassembled with QSP Point-Lock design for simplified installation		
Price	Competitively priced and part of the QSP Smart Buy lease program		

Best-in-Class Technology

All of our robotic palletizers feature best-in-class technology. We combine industry leading technology from FANUC, Allen-Bradley and Troax with our proprietary *Smart-Base*, innovative operator interface and end of arm tooling designed to your specific needs.



Our pre-engineered robotic palletizers feature FANUC robotic arms - preferred worldwide for their speed, flexibility and reliability.



Our innovative *Smart-Base* yields a compact footprint and is easy to relocate and reconfigure if production demand changes.



Multiple pre-engineered, in-stock EOAT units are available including our popular clamping tool with pneumatically-powered support lip.



All Quick-Ship Palletizers include an intuitive operator interface featuring stored load configurations for quick changeover of SKU palletizing.



Automated pallet dispensing options include our innovative “Automated Tool Swap” feature and multi-purpose end effector.



Quick-Ship Palletizers can be designed with a slip sheet hopper and standard EOAT that automates the placement of anti-slip sheets on each pallet.



QSP models typically feature zero-pressure, 24-volt conveyors specified for their performance, safety and energy-efficiency.



Pre-engineered pallet stations can be designed for manual operation or feature integrated discharge conveyors for a higher level of automation.



All cells are designed and configured with the appropriate safety fencing, light curtains and other systems to comply with category 3 safety standards.

Purchase and Lease Options

With MMCI, it has never been easier to make the right choice for your automation needs. Our QSP models provide incredible value with a very short Pay Back Period or can be leased for immediate cost-savings through our innovative Smart Buy program.

Immediate Cost Savings



Traditional Labor Cost

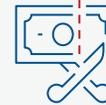
Average Salary + Benefits \$3,175/month

One 8 hour shift

5 days a week

Two 8 hour shifts

5 days a week



QSP Smart Buy

Lease Starting at \$2,675/month

Monthly Savings

\$500

Monthly Savings

\$3,675

Why MMCI Robotics

Making Robotic Palletizing Easy

At MMCI Robotics, we use our decades of experience and extensive investment in technology to make robotic palletizing.

- ✓ We design, build and test all systems in our Robotics and Automation Technology Center in St. Louis, Missouri.
- ✓ We can run simulations with your product to ensure future success.
- ✓ We perform Factory Acceptance Tests before deploying.



MMCI Technology Center