

Collaborative Palletising Cell- Typical Configurations

CPF-10 Series Collaborative Robot Palletiser

Collaborative robots (cobots) offer an efficient palletising solution compared to traditional industrial robots, particularly in space-constrained and slower production environments. Unlike large industrial robots that require extensive safety fencing and significant floor space, cobots are compact, lightweight, and can operate safely alongside human workers without dedicated enclosures. This space-saving design allows easy integration into existing production lines. While industrial robots excel in high-speed, high-volume palletising, cobots are ideal for applications where flexibility, safety, and space efficiency are priorities. Their simple programming, adaptability, and mobility make them especially suitable for smaller facilities or operations with frequent product changes, providing an effective and cost-efficient palletising alternative in restricted environments.

Features and Benefits

- Single or Twin station Palletiser Configurations
- Manual Pallet Exchange Option
- Multi-Pick Grippers to Increase Throughput
- Safety Fencing with Safety Scanner allowing for a Safe Operator to Machine Interaction at Speed
- Systems Designed and Built for 24 Hour Operation
- Easy Access for Maintenance and Cleaning
- Compact Footprint Compared to Industrial Robot Solutions

Technical Overview

CPF-10 Series Collaborative Robot Palletiser

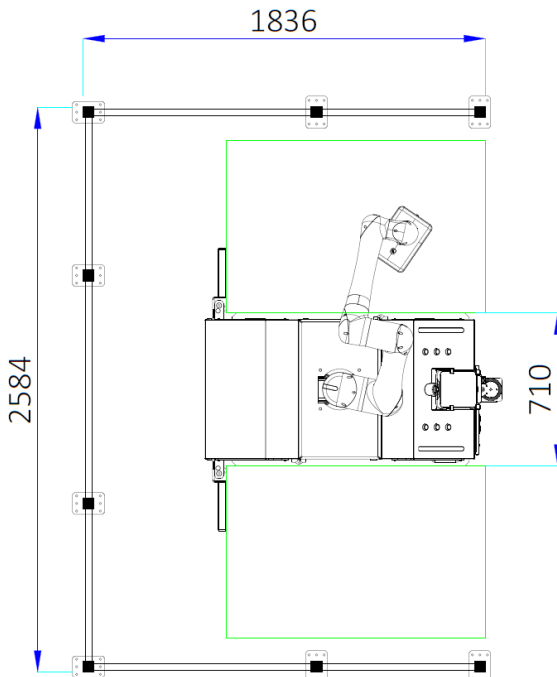
Products	<ul style="list-style-type: none"> Cases, Totes, Trays, Bundles
Pallet Formats	<ul style="list-style-type: none"> EURO (1200mm x 800mm) UK/CHEP/INDUSTRY (1200mm x 1000mm) with Robot Change
Maximum Cycle	<ul style="list-style-type: none"> 5 Cycles Per Minute in Collaborative Mode (Dependant on Load and Pallet Matrix) without Safety Equipment 10 Cycles Per Minute Robot Mode (Dependant on Load and Pallet Matrix) with Safety Equipment
Maximum Load	<ul style="list-style-type: none"> 10Kg including Gripper
Max Pallet Build Height	<ul style="list-style-type: none"> 1500mm
Gripper Type	<ul style="list-style-type: none"> Vacuum, Mechanical, Hybrid (TBC based on Product)
Operator Control	<ul style="list-style-type: none"> Alarms, Warnings & Status Machine State Password Protected at Local Level Partial Pallet Complete Button Pallet Cell A or B Reset
Safety (If Required)	<ul style="list-style-type: none"> Safety Scanner (Located at the Front), 2 additional Safety Scanners if Safety Fencing is not used. Safety Fencing E-Stop on Robot Pendant & Operator Panel Power Isolator with LOTO
Robot Overview	<ul style="list-style-type: none"> CRX10iA/L Standard, Alternative Model to be Confirmed Based on Application Assessment GMP Features for Easy Cleaning IP Rating - 54 Standard, IP67 Optional on Body, IP67 Standard on Wrist
Teach Pendant	<ul style="list-style-type: none"> Lightweight Ergonomic Design LCD Colour Display Quick and Easy Programming Hook to Hang to the Safety Fence Ergonomic Cable Outlet Position Easy Connectivity to 3rd Party Devices



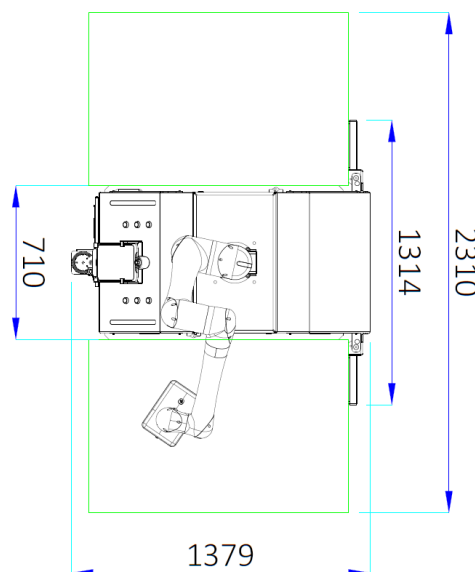
User Friendly Teach Tablet



Example of Vacuum Gripper



Cobot Cell With Safety Fencing



Cobot Cell Without Safety Fencing



Fanuc CRX10iA/L Robot



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