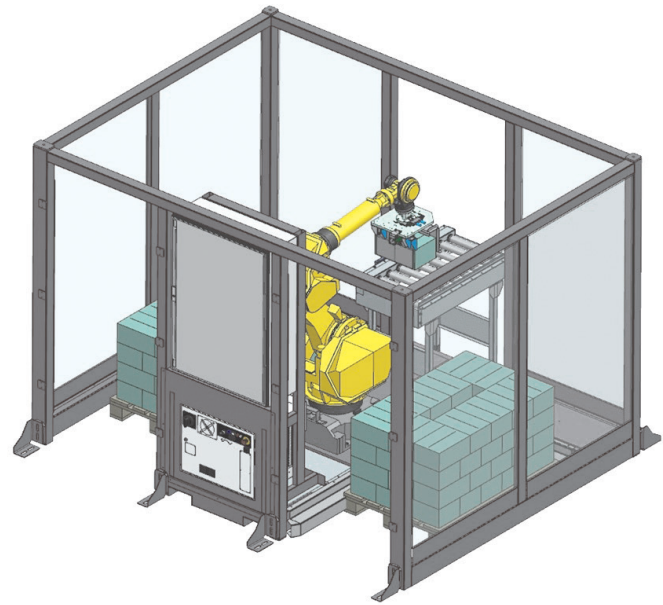
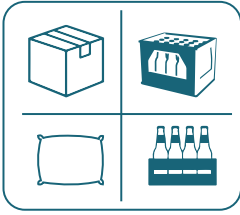




PALLETMAT-DP7

The Plug & Play Robotic Palletizer in a Box – Dual Palletising



Ideal For Carton Boxes, Multipacks, Trays, Totes, Bags
Productivity Up to 12 cycles per minute
Operation Semi-Automatic Operation

PalletMat series is a Plug & Play Robotic Palletizer in a Box that receives products directly from the production line and palletizes them according to pre-defined patterns.

With the use of a robotic arm from leading Japanese manufacturer **FANUC**, it ensures high speed and precise product handling while its compact design makes it ideal for sites with limited available space.

The “**Plug & Play**” features of PalletMat make its integration to the line extremely easy. Non-specialized personnel can install, commission and even move the system to different lines within the factory (the system is forklift movable).

PalletMat Model DP7 is a semi-automatic robotic system that receives products from a single infeed and palletizes onto two pallets positioned on the floor. Once the first pallet is ready the robot continues palletising onto the second pallet, whilst at the same time signalling the operator to remove the full pallet and add a new one to be palletised.

Due to its small footprint, inherent flexibility, and fast ROI, PalletMat-DP7 is ideal for small-to-medium productions and sites with limited available space, such as Pharma, Food & Beverage, Animal Feed, Plastics, etc.

PalletMat DP7 is IoT ready and incorporates the latest technologies of Industry 4.0.

Benefits

Reliability / Safety / Minimum Maintenance

PalletMat Series incorporates our 30 years of engineering excellence and combines intelligent design, top quality materials and robust construction, providing increased productivity, high precision, minimum downtime and very low maintenance requirements. PalletMat is a system for life.

Flexibility / Productivity Assurance / Minimized Operational Cost

PalletMat is designed to handle various pre-defined products or patterns with quick changeovers. Moreover, the system is forklift movable and can be easily moved to operate on other production lines within the factory.

Upgradability

PalletMat can easily be upgraded to cover new requirements, such as new products and patterns, increased productivity, automatic pallet discharge, etc.



PALLETMAT-DP7

The Plug & Play Robotic Palletizer in a Box – Dual Palletising

PalletMat-DP7 FEATURES

SCOPE, PERFORMANCE & OPERATION

Handled products	Carton boxes, Display Boxes, Trays, Multipacks, Bags, Totes
Productivity	max 12 cycles per minute
Operation	Semi-automatic
Pallet Positions	Dual (2) Pallet on Floor

PRODUCTS & PALLET TYPES & DIMENSIONS

Minimum Product Size (LxWxH)	230 x 150 x 100 mm
Maximum Product Size (LxWxH)	600 x 400 x 400 mm
Maximum Product Weight	40 kg
Pallet Type	EUR & CHEP
Maximum Load Height	Up to 1500mm; option 1800mm
Forklift, Pallet Truck	Electric and Manual Pallet Truck

MACHINE DESIGN

Packed Dimensions (LxWxH)	2.400 x 3.080 x 2.300 mm
Working Dimensions (LxWxH)	2.400 x 3.080 x 3.000 mm
Infeed conveyor (LxH)	Roller Conveyor 912 (L) mm x 451 (W) mm
Approx. Weight	2.000 kg, forklift movable
Standard Robotic Arm	FANUC
Gripper Operation	Mechanical

CONTROL

PLC	Siemens
HMI	Siemens
Remote Access	Pre-installed in the system for remote assistance

SAFETY

Safety System	Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification
---------------	--

SUPPLY REQUIREMENTS

Power Supply	3 x 32A / 400V - 50 Hz (3P + N + GND)
Air Supply	6 Bar

WARRANTY

Full Coverage Warranty	1 Year - Unlimited Cycles
------------------------	---------------------------

Optional Features

Auto Pallet Discharge	Upgrade for continuous operation of system
Product Handling	Gripper options for handling various type of products (bags, totes, etc)
Increased Productivity	Multiple product pick - increased productivity
Interlayer	Automatic carton interlayer placement
Other Pallet Types	Dusseldorf, Plastic, etc
Automatic Pallet Handling	Automatic Pallet Handling by Mobile Robots (AMR)
Orientation	Product orientation according to label

