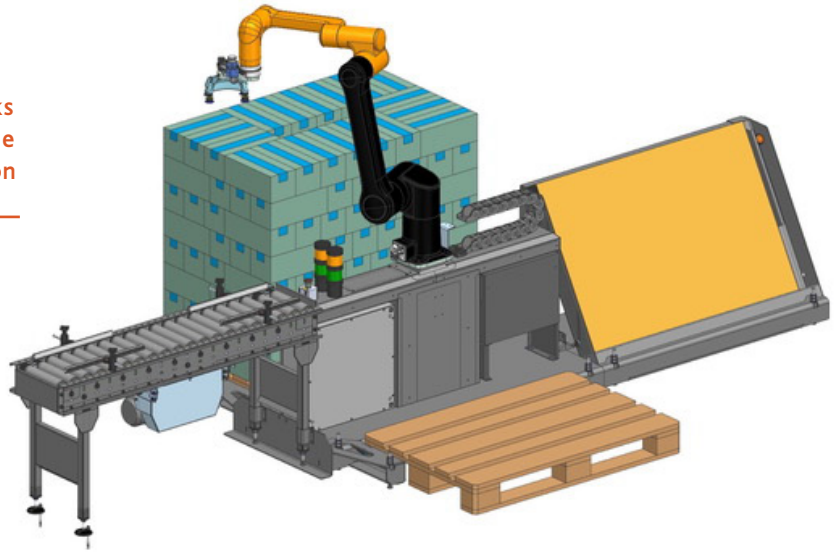


COBOTMAT CP -11

THE PLUG & PLAY COLLABORATIVE PALLETIZER
SAFE, COMPACT & VERSATILE

Ideal For
Productivity
Operation

Carton Boxes, Multipacks
Up to 8 cycles per minute
Semi-Automatic Operation



CobotMat CP -11 is a Plug & Play Collaborative Palletizer that receives products directly from the production line and palletizes them according to pre-defined patterns. CobotMat is compact & versatile whilst its advanced safety features allow for **safe & efficient** collaboration with humans in the same working space.

With the use of a Cobotic arm from leading Korean manufacturer **HANWHA**, 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 CobotMat make its integration to the line extremely easy. Non-specialized personnel can install, commission and even move the system to different factory lines or program new products or palletising patterns.

Due to its compact design and very fast ROI, CobotMat CP -11 **is ideal for small-to-medium productions and sites with limited available space**, such as Pharma, Snacks, Coffee, Plastics, etc.

An IoT ready system incorporating the latest technologies of Industry 4.0.

Benefits

Safety / Human Collaboration

Its advanced safety features meeting ISO 138849-1 standards allow safe & efficient collaboration with humans in the same workspace.

Fast & Easy / Flexibility / Upgradeability

It is extremely Fast & Easy to install and commission CobotMat CP-11 on existing lines. New products or patterns may be programmed very fast and the system can even be moved between lines. Moreover, the system can be upgraded to cover increased productivity, taller pallets and interlayer sheet.

Reliability / Minimum Maintenance

CobotMat 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.

Fast ROI

The return on investment for CobotMat is extremely fast making robotic automation a “no brainer” to even sites with small productions. productivity, higher pallets, interlayer sheet, etc.

SCOPE, PERFORMANCE & OPERATION

Collaboration	Yes – Safe collaboration with humans in the same working space
Handled products	Carton Boxes, Multipacks
Productivity	max 4 cycles per minute; option 8 cycles
Operation	Semi-automatic
Palletizing Positions	Dual Pallet on Floor– alternative; one active

PRODUCTS & PALLET TYPES & DIMENSIONS

Minimum Product Size (LxWxH)	230 x 130 x 100 mm
Maximum Product Size (LxWxH)	600 x 400 x 400 mm
Maximum Product Weight	10.5 kg
Pallet Type	EUR & CHEP
Maximum Load Height	1100mm; option 1800mm
Moveable	Yes; By Electric & Manual Pallet Truck or Forklift

MACHINE DESIGN

Packed Dimensions (LxWxH)	1.610 x 1.300 x 1500 mm
Working Dimensions (LxWxH)	1.600 x 2.238 x 2000 mm / For CHEP +400mm (W); For Lift +900mm (H)
Infeed conveyor (LxH)	Roller Conveyor 1500 (L) mm x 451 (W) mm
Approx. Weight	300 kg, forklift movable
Standard Robotic Arm	Hanwha 12kg
Gripper Operation	Vacuum

CONTROL | CONNECTIVITY

Robot Software	HCR Rodi
Connectivity	ModBus TCP; EtherCat provided for Tool Communication

SAFETY

Safety System	ISO 138849-1 Category 3 PLd Standards; CE Certification; May work alongside human workers
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SUPPLY REQUIREMENTS

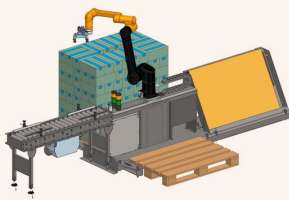
Power & Air Supply	230VAC – Compressed oil free air
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WARRANTY

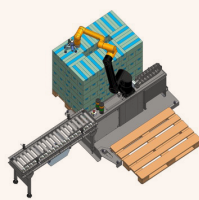
Full Coverage Warranty	1 Year - Unlimited Cycles
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Optional Features

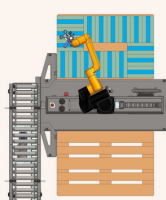
Increased Speed	Up to 8 cycles per min
Increased Pallet Height	Up to 1800 mm
Interlayer Sheet	Automatic carton interlayer placement
Pick Conveyor	Belt or Modular Belt; 90° Left / Right; Alternative dimensions
Multi-pick Option	For increased productivity
Automatic Pallet Handling	Automatic Pallet Handling by Mobile Robots



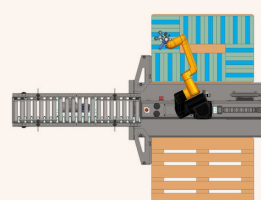
CP-11 with Interlayer Sheet Module



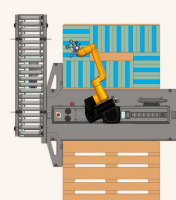
Standard Model CP-11



90° Right



Inline



90° Left