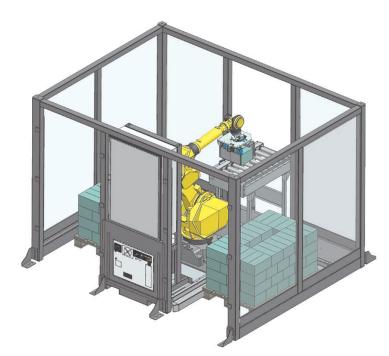


1002







### **E**FFICIENT

The Endoline Robotics 1002 is a semi-automatic robotic system that receives products from a single infeed and palletises on two pallets positioned on the floor. Once the palletising operation is finished, the system signals the operator to remove the full pallet and continues palletising onto the second pallet.



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Due to its small footprint, inherent flexibility, and fast ROI, the 1002 is ideal for small-to-medium productions and sites with limited space.



### FLEXIBLE

Designed to handle various pre-defined products or patterns with quick changeovers. Ideal for carton boxes, multipacks, trays, totes and bags.



## EASY TO USE

The "Plug & Play" features of the 1000 series make its integration to the line extremely easy. Nonspecialised personnel can install, commission and even move the system to different lines within the factory, as the system can be lifted by forklift.



Endoline Robotics 1,000 series incorporates our 30 years of engineering excellence and combines intelligent design, top quality materials and robust construction.



## **A** System for Life

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



# www.endoline-robotics.com

# **1002** Plug & Play Robotic Palletiser

### **SCOPE, PERFORMANCE & OPERATION**

Productivity     max 12 cycles per minute       Operation     Semi-automatic       Pallet Positions     Dual (2) Pallet on Floor       PRODUCTS & PALLET TYPES & DIMENSIONS     Minimum Product Size (LxWxH)       Maximum Product Size (LxWxH)     600 x 400 x 400 mm       Maximum Product Size (LxWxH)     600 x 400 x 400 mm       Maximum Product Size (LxWxH)     600 x 400 x 400 mm       Maximum Product Size (LxWxH)     600 x 400 x 400 mm       Maximum Incode Height     Up to 1500mm; option 1800mm       Forklift, Pallet Truck     Electric and Manual Pallet Truck       MACHNE DESION     Packed Dimensions (LxWxH)       Packed Dimensions (LxWxH)     2.400 x 3.080 x 3.000 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       Siernens     Pre-installed in the system for remote assistance       SAFETY     Safety System       Supply     3 x 32A / 400V - 50 Hz (3P + N + GND)       Air Supply     6 Bar       WARANTY     Full Cencing pulse safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification       Supply     6 Bar <tr< th=""><th>SCOPE, PERFORMANCE &amp; OPERATION Handled products</th><th>Carton boxes, Display Boxes, Trays, Multipacks, Bags, Totes</th></tr<>	SCOPE, PERFORMANCE & OPERATION Handled products	Carton boxes, Display Boxes, Trays, Multipacks, Bags, Totes
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 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 DESION         MACHINE DESION           Packed 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           PLC         Siemens           HMI         Siemens           FMI         Supersystem           Safety System         Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification           SUPLY REQUIREMENTS         Full Fencing plus safety curtain sensors, Double Emergency Stop circuit,		
Pallet Positions         Dual (2) Pallet on Floor           PRODUCTS & PALLET TYPES & DIMENSIONS           Minimum Product Size (LxWxH)         230 x 150 x 100 mm           Maximum Product Weight         40 kg           Pallet Type         EUR & CHEP           Maximum Load Height         Up to 1500mm; option 1800mm           Forklift, Pallet Tuck         Electric and Manual Pallet Truck           MACHINE DESION         2.400 x 3.080 x 2.300 mm           Working 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 (1xH)         Roller Conveyor 912 (1) mm x 451 (W) mm           Approx. Weight         2.000 kg, forklift movable           Standard Robotic Arm         FANUC           Gripper Operation         Mechanical           CONTROL         PLC           PLC         Siemens           HMI         Siemens           Stafty System         Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification           SUPPLY REQUIREMENTS         Pare - Unlimited Cycles           OPTIONAL FEATURES         Full Coverage Warranty           Automatic Carton interlayer placement         Forduct siyes, totes, etc.]           OPTIONAL FEATURES <t< td=""><td>•</td><td></td></t<>	•	
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         2.400 x 3.080 x 2.300 mm           Morking Dimensions (LxWxH)         2.400 x 3.080 x 2.300 mm           Mined Conveyor (1xH)         Roller Conveyor 912 (1) mm x 451 (W) mm           Approx. Weight         2.000 kg, forklift movable           Standard Robotic Arm         FANUC           Gripper Operation         Mechanical           CONTROL         PLC           PLC         Siemens           HMI         Siemens           Remote Access         Pre-installed in the system for remote assistance           SAFETY         Safety System           Safety System         Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification           Supply         6 Bar           WARRANTY         Full Coverage Warranty           Full Coverage Warranty         1 Year - Unlimited Cycles <t< td=""><td>•</td><td></td></t<>	•	
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         MAXIMUM Load Height       Up to 1500mm; option 1800mm         Packed Dimensions (LxWxH)       2.400 x 3.080 x 3.200 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         PLC       Siemens         HM1       Siemens         Safety System       Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification         SUPPLY REQUIREMENTS       Ya 3x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply       6 Bar         WARANTY       Year - Unlimited Cycles         OPTIONAL FEATURES       OPTIONAL FEATURES         Auto Pallet Discharge       Upgrade for continuous operation of system         Product		Dual (2) Pallet on Floor
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       Siemens         PLC       Siemens         HMI       Siemens         Remote Access       Pre-installed in the system for remote assistance         SAFETY       Safety System         SupPLY REQUIREMENTS       Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification         SUPPLY REQUIREMENTS       Full Coverage Warranty         Full Coverage Warranty       1 Year - Unlimited Cycles         OPTIONAL FEATURES       Product Jok - increased productivity         Auto Pallet Discharge       Upgrade for continuous operation of system         Product Handling	PRODUCTS & PALLET TYPES & DIMENSIONS	
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)       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     Siemens       HMI     Siemens       Remote Access     Pre-installed in the system for remote assistance       SAFETY     Safety System       Supply     3 x 32A / 400V - 50 Hz (3P + N + GND)       Air Supply     6 Bar       WARRANTY     Year - Unlimited Cycles       OTTONAL FEATURES     Product Handling       Ortonal, FEATURES     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 Pallet Handling by Mobile Robots (AMR)		230 x 150 x 100 mm
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       Infreed conveyor (LxH)         Roller Conveyor 912 (L) mm x 451 (W) mm       Approx. Weight         2.000 kg, forklift movable       Standard Robotic Arm         FANUC       FANUC         Gripper Operation       Mechanical         CONTROL       Siemens         PLC       Siemens         HMI       Siemens         Remote Access       Pre-installed in the system for remote assistance         SAFETY       Safety System         SupPLY REQUIREMENTS       Double Emergency Stop circuit, Door Interlocks, CE Certification         SUPPLY REQUIREMENTS       3 x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply       6 Bar         WARRANTY       1 Year - Unlimited Cycles         OPTIONAL FEATURES       Upgrade for continuous operation of system         Product Handling       Cripper options for handling various type of products (bags, totes, etc.)         Increased Productivity       Multiple product pick - increased productivity	Maximum Product Size (LxWxH)	600 x 400 x 400 mm
Maximum Load Height       Up to 1500mm; option 1800mm         Forklift, Pallet Truck       Electric and Manual Pallet Truck         MACHINE DESIGN       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       VI         PLC       Siemens         HMI       Siemens         Remote Access       Pre-installed in the system for remote assistance         SAFETY       Safety System         Safety System       Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification         SUPPLY REQUIREMENTS       Power Supply         Power Supply       3 x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply       6 Bar         WARRANTY       T Year - Unlimited Cycles         OPTIONAL FEATURES       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 -	Maximum Product Weight	40 kg
Forklift, Pallet Truck       Electric and Manual Pallet Truck         MACHINE DESICN       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       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       9 x 322 / 400V - 50 Hz (3P + N + GND)         Pair Supply       3 x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply       6 Bar         WARANTY       1 Year - Unlimited Cycles         OPTIONAL FEATURES       Auto Pallet Discharge         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	Pallet Type	EUR & CHEP
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         PLC       Siemens         HMI       Siemens         Remote Access       Pre-installed in the system for remote assistance         SAFETY       Safety System         Safety System       Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification         SUPPLY REQUIREMENTS       Power Supply         Power Supply       3 x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply       6 Bar         WARANTY       Full Cycles         OPTIONAL FEATURES       Auto Pallet Discharge         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         <	Maximum Load Height	Up to 1500mm; option 1800mm
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         PLC       Siemens         HMI       Siemens         Remote Access       Pre-installed in the system for remote assistance         SAFETY       Safety System         Safety System       Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification         SUPPLY REQUIREMENTS       Pewer Supply         Power Supply       3 x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply       6 Bar         WARRANTY       Full Coverage Warranty         Full Coverage Warranty       1 Year - Unlimited Cycles         OPTIONAL FEATURES       Auto Pallet Discharge         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, Pla	Forklift, Pallet Truck	Electric and Manual Pallet Truck
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	MACHINE DESIGN	
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)	Packed Dimensions (LxWxH)	2.400 x 3.080 x 2.300 mm
Approx. Weight2.000 kg, forklift movableStandard Robotic ArmFANUCGripper OperationMechanicalCONTROLPLCPLCSiemensHMISiemensRemote AccessPre-installed in the system for remote assistanceSAFETYSafety SystemSafety SystemFull Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE CertificationSUPPLY REQUIREMENTS8 arPower Supply3 x 32A / 400V - 50 Hz (3P + N + GND)Air Supply6 BarWARRANTYFull Coverage WarrantyFull Coverage Warranty1 Year - Unlimited CyclesOPTIONAL FEATURESUpgrade for continuous operation of systemProduct HandlingGripper options for handling various type of products (bags, totes, etc.)Increased ProductivityMultiple product pick - increased productivityInterlayerAutomatic carton interlayer placementOther Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	Working Dimensions (LxWxH)	2.400 x 3.080 x 3.000 mm
Standard Robotic Arm       FANUC         Gripper Operation       Mechanical         CONTROL       PLC         PLC       Siemens         HMI       Siemens         Remote Access       Pre-installed in the system for remote assistance         SAFETY       Safety System         Safety System       Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification         SUPPLY REQUIREMENTS       Power Supply         Power Supply       3 x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply       6 Bar         WARRANTY       Full Coverage Warranty         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)	Infeed conveyor (LxH)	Roller Conveyor 912 (L) mm x 451 (W) mm
Gripper Operation       Mechanical         CONTROL       Siemens         PLC       Siemens         HMI       Siemens         Remote Access       Pre-installed in the system for remote assistance         SAFETY       Safety System         Safety System       Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification         SUPPLY REQUIREMENTS       Power Supply         Power Supply       3 x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply       6 Bar         WARRANTY       Full Coverage Warranty         Full Coverage Warranty       1 Year - Unlimited Cycles         OPTIONAL FEATURES       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)	Approx. Weight	2.000 kg, forklift movable
CONTROL         CONTROL         PLC         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         A x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply         A x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply         A x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply         A x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply         A x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply         A y 3 x 32A / 400V - 50 Hz (3P + N + GND)         A Bar         WARRANTY         Full Coverage Warranty       1 Year - Unlimited Cycles         OPTIONAL FEATURES         Auto Pallet Discharge       Upgrade for continuous operation of system         Product Handling         Automatic carton interlayer placemen	Standard Robotic Arm	FANUC
PLC       Siemens         HMI       Siemens         Remote Access       Pre-installed in the system for remote assistance         SAFETY       Safety System         Safety System       Full Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE Certification         SUPPLY REQUIREMENTS       Power Supply         Power Supply       3 x 32A / 400V - 50 Hz (3P + N + GND)         Air Supply       6 Bar         WARRANTY       Full Coverage Warranty         Full Coverage Warranty       1 Year - Unlimited Cycles         OPTIONAL FEATURES       Auto Pallet Discharge         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)	Gripper Operation	Mechanical
HMISiemensRemote AccessPre-installed in the system for remote assistanceSAFETYSafety SystemSafety SystemFull Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE CertificationSUPPLY REQUIREMENTSPower SupplyPower Supply3 x 32A / 400V - 50 Hz (3P + N + GND)Air Supply6 BarWARRANTYFull Coverage WarrantyFull Coverage Warranty1 Year - Unlimited CyclesOPTIONAL FEATURESGripper options for handling various type of products (bags, totes, etc.)Increased ProductivityMultiple product pick - increased productivityInterlayerAutomatic carton interlayer placementOther Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	CONTROL	
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)	PLC	Siemens
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)	HMI	Siemens
Safety SystemFull Fencing plus safety curtain sensors, Double Emergency Stop circuit, Door Interlocks, CE CertificationSUPPLY REQUIREMENTSPower Supply3 x 32A / 400V - 50 Hz (3P + N + GND)Air Supply6 BarWARRANTYFull Coverage Warranty1 Year - Unlimited CyclesOPTIONAL FEATURESAuto Pallet DischargeUpgrade for continuous operation of systemProduct HandlingGripper options for handling various type of products (bags, totes, etc)Increased ProductivityMultiple product pick - increased productivityInterlayerAutomatic carton interlayer placementOther Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	Remote Access	Pre-installed in the system for remote assistance
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)	SAFETY	
Power Supply3 x 32A / 400V - 50 Hz (3P + N + GND)Air Supply6 BarWARRANTYFull Coverage Warranty1 Year - Unlimited CyclesOPTIONAL FEATURESAuto Pallet DischargeUpgrade for continuous operation of systemProduct HandlingGripper options for handling various type of products (bags, totes, etc)Increased ProductivityMultiple product pick - increased productivityInterlayerAutomatic carton interlayer placementOther Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	Safety System	
Air Supply       6 Bar         WARRANTY       1 Year - Unlimited Cycles         Full Coverage Warranty       1 Year - Unlimited Cycles         OPTIONAL FEATURES       Upgrade for continuous operation of system         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)	SUPPLY REQUIREMENTS	
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)	Power Supply	3 x 32A / 400V - 50 Hz (3P + N + GND)
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)	Air Supply	6 Bar
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)	WARRANTY	
Auto Pallet DischargeUpgrade for continuous operation of systemProduct HandlingGripper options for handling various type of products (bags, totes, etc)Increased ProductivityMultiple product pick - increased productivityInterlayerAutomatic carton interlayer placementOther Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	Full Coverage Warranty	1 Year - Unlimited Cycles
Product HandlingGripper options for handling various type of products (bags, totes, etc)Increased ProductivityMultiple product pick - increased productivityInterlayerAutomatic carton interlayer placementOther Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	OPTIONAL FEATURES	
Increased ProductivityMultiple product pick - increased productivityInterlayerAutomatic carton interlayer placementOther Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	Auto Pallet Discharge	Upgrade for continuous operation of system
Increased ProductivityMultiple product pick - increased productivityInterlayerAutomatic carton interlayer placementOther Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	Product Handling	Gripper options for handling various type of products (bags, totes, etc)
InterlayerAutomatic carton interlayer placementOther Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	Increased Productivity	
Other Pallet TypesDusseldorf, Plastic, etcAutomatic Pallet HandlingAutomatic Pallet Handling by Mobile Robots (AMR)	Interlayer	
Automatic Pallet Handling Automatic Pallet Handling by Mobile Robots (AMR)	Other Pallet Types	
	<i>/</i> /	
	Orientation	Product orientation according to label

