



GENERAL INFORMATION

Model name:	ROBO WES
Manufacturer:	Phoenix Mecano Solutions AG
Area of application:	Incoming goods inspection SMD rolls

APPLICATION-SPECIFIC INFORMATION

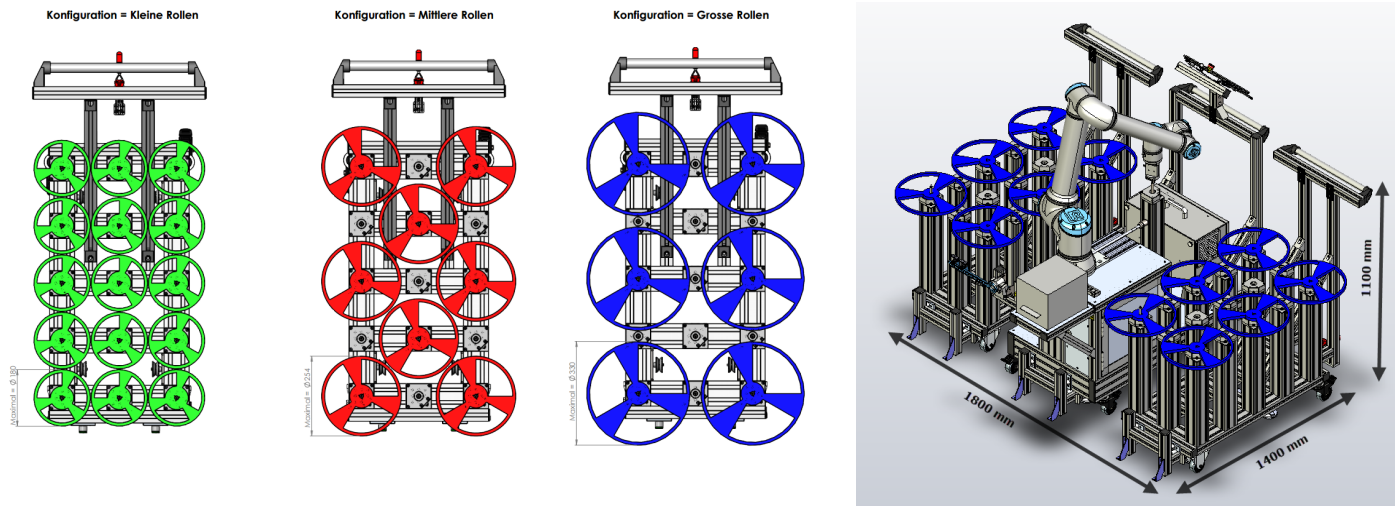
Field of application:	Automated incoming goods inspection with the MODI incoming goods scanner
Description:	The ROBO WES is a flexible solution for greater efficiency and safety. The component rolls are placed anywhere on a transport trolley. This trolley is made available to the robot via the docking mechanism. The UR10e picks up roll by roll and carries out the incoming goods process. If necessary, the inspected rolls are provided with a new label before they are placed on a second material trolley.

TECHNICAL SPECIFICATIONS

Robot: UR10e	
Reach:	1300 mm
Load capacity:	12.5 kg
Weight:	33.5 kg
Number of axes:	6
Repetition accuracy:	± 0.05 mm
Power supply:	100-240VAC, 47-440Hz

TECHNICAL SPECIFICATIONS

Application	
Robot trolley dimensions:	1800 x 1400 x 1100 [mm] (L x W x H)
Material trolley dimensions:	1070 x 450 x 1100 [mm] (L x W x H)
Inner diameter of the rolls:	12.8 mm
Capacity:	20 rolls per pin (assumed thickness: 15mm) \varnothing 180 mm $\hat{=}$ 300 rolls (15 pins) \varnothing 254 mm $\hat{=}$ 160 rolls (8 pins) \varnothing 330 mm $\hat{=}$ 120 rolls (6 pins)
Docking station dimensions:	1150 x 270 x 240 [mm] (L x W x H)
Installation option:	6 ground anchors Note: Each material trolley and robot trolley requires its own docking station



PNEUMATIC INTERFACE

Type:	Pneumatic interface for end effectors
Operating pressure:	1.5-14 bar
Connections:	G3/8"

SAFETY FEATURES

CE certification:	According to MRL
Standards:	ISO 10218-2, ISO/TS 15066
Security:	17 configurable security functions
Collision avoidance:	Integrated force-torque sensors
Emergency stop function:	Mechanical emergency stop switch