



RobSpector – Unmanned 3D pallet control

Avoid stops caused by pallets with defects

Pallets with defects often cause stops in automatic production systems. If a board is missing or sticking out it will cause stops in automatic pallet lines. Some defects are first discovered during palletizing, and with load the defect can cause the pallet to break down, and cause system damage or injuries to people nearby. If the pallet comes out from the line it can later breakdown during transport and cause loss of products and require cleaning of area.

Rejected before going into production lines

With RobSpector the defect pallets are found and sorted out, so that they do not enter the production lines.

Clean production

Often productions are required to have clean products going into the retail chain. If the products are placed on dirty pallets the requirements are not fulfilled. RobSpector turns the pallet up horizontal and brushes dirt of the surface.

So simple

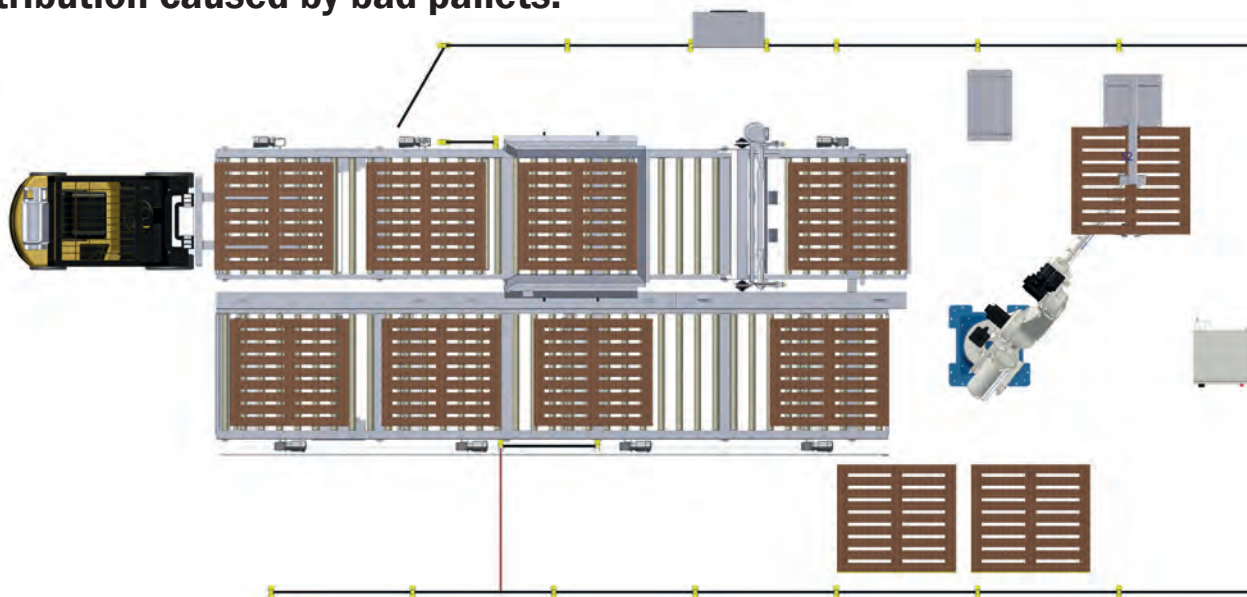
RobSpector is a system where the robot grips the pallet. The pallet is turned horizontal and then pulled through brushes, to brush of dirt and make sure it falls down. The pallet is then moved through a 3D scanner, so that the boards and blocks are checked for damage and correct position. Pallets that are outside tolerances are stacked separately, so they can go to repair. Pallets in approved quality can be used in the production line.

RobSpector is delivered as a turnkey system with robot, gripping tool, 3D scanner, cleaning brushes, pallet feeder, conveyors and safety system. The system can be delivered as a stand-alone system or inline directly with the production system.

See drawing on the back.



RobSpector keeps your production system running and ensures that you don't get complaints due to problems in distribution caused by bad pallets.



General technical data

Space requirements (L x W x H)	5000 x 8000 x 2700 mm
Robot type	6-axis Industrial
Pallet types standard	EUR / UK
Gripping tool	Pneumatic
Inspection	3D-laser scanner
Capacitet	120 paller pr. time
Brush cleaning	Integrated
Pallet feeder	Integrated
Options	Special pallets with frame etc. Higher capacity Suction system to remove dirt from brush system

For other needs contacts us

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