



Robotics



Vision



Feeder



Components

ISSUE 04 / 2010

NEWSLETTER

Dear readers,

after a successful AUTOMATICA in Munich and the associated awarding of the MM-Award 2010 to pi4 for our robot, we know that we are on the right path.

With the pi4_workerbot we have realised over nearly two decades an unique robotic system, highly flexible for a wide range of applications. On the 25. PVSEC we will present also a lot of new options of our PV-Inspection systems

In this sense we would like to invite you to our booth at the upcoming PVSEC in Valencia, Spain. You will find us in hall 3, level 2 at booth C5.

We are looking forward to your visit!

Yours sincerely
Matthias Krinke
 Managing Director



Awarding of the MM-Award 2010 at the AUTOMATICA

Palletizing in an easy way



Automated productions are just efficient if they run in a smooth production flow. Important points are partial feeding to the robot and the de-piling of high-quality parts on palletes or in boxes. It requires intelligent solutions, because these parts can be largely and massive, as well as small and very light.

The palletizing robot from pi4 is a highly flexible state of the art solution for loading and unloading of pallets and containers. The compact handling system consists of 3 cartesian linear actuators and one rotation axis with 270° maximum angle.

The products will be transported on a conveyor into the handling system. A centering station positions the products ideal for the robot. The vacuum gripper picks the product (built in vacuum pump - no external air necessary). With speed up to 1,5 m/s the products will be placed on the pallet or in the container. The machine is controlled with the software pi4_control. This highly flexible software gives the operator the possibility to adjust at will

the product, pallet and container size. Also the operator can adjust at will (no programmer necessary !) the layer and stack schemas.

To make it short:

- Weight: 1500 kg
- Size: 2700x2100x2100 mm [LxWxH]
- Power Supply: 400V AC 32A TNS
- Cycle Time: 5s
- Container and Pallets: adjustable up to: 1200x800x600 mm [LxWxH]
- Z-Stroke max. 800 mm
- Layers, Stack and Product size: adjustable at will
- Max. Product weight: 3,5 kg
- Remote Maintenance via VPN or Modem

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++++ NEWSTicker +++++

- The proven EL-PreLami-Module-tester now with integrated dark-iv-measurement
- 2D/3D-Inspection system for Butyl sealings
- New measurement system for waviness of solar glass

EXHIBITIONS & EVENTS IN 2010

25. EU PVSEC
 6th to 10th of September
 Feria Valencia / Valencia / Spain
 Hall 3, Level 2 at boot C5