

Bin picking

Crankshafts



Task:

Crankshafts are picked from a pallet cage. A 3D-Laser scanner identifies the part delivering a point cloud to the robot which can be compared to the CAD model. Position (x, y, z) and orientation (A, B, C) are identified. The gripper is equipped with Z-balance and control function. He notices if more than one part is lifted.



Robot picks up crankshaft from a pallet cage.



Robot gripper and pallet cage

Your benefits:

+ **Cost savings**
thanks to complete
automation

+ **Reduced error rate
and quality assurance**
by using robots

+ **Optimisation
of the cycle time**
Cycle time: 50 sec./piece

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Technical details:

Our services	Robot Programming
Programming	Vision System
Cycle time	50 sec./piece
Weight	up to 25 kg

**We provide ready to use robot systems
and automation solutions:**



Processing:

- Deburring
- Milling
- Grinding
- Stroke filing
- Polishing



Assembly:

- Assembling
- Screwing
- Shrinking
- Pressing
- Glueing



Handling:

- Picking up
- Stacking
- Insertion
- Removal
- Placing

Everything from a single source:

Thanks to our integration into the **Pütz Group** and the resulting **synergy effects**, we are able to offer you not just robot systems and automation solutions, but also the appropriate test technology to test surfaces for dimensional accuracy.

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