

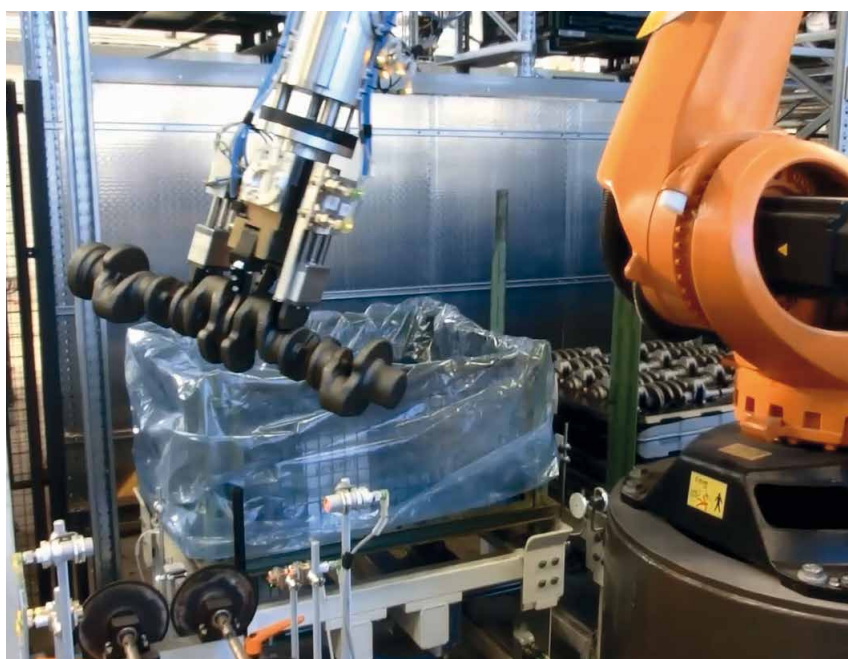
Bin picking

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

Bin picking – Crankshafts

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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