

# LOADING AND UNLOADING A LATHE

# SAMPAS

efficient robot solutions

ROBOTIC SYSTEMS  
AND AUTOMATION SOLUTIONS

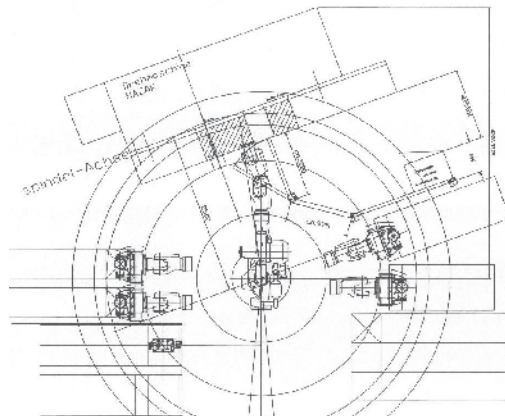


## Our solution:

A robot acts as the central movement element between the lathe and other assembly stations for handling pump housings. The robot has a standard pneumatic long stroke gripper with a stroke of approx. 200 mm for up to five different pump housings.

## Task:

Loading and unloading a lathe



Pump housing gripper

## Your benefit:

- + Loading and unloading of three assembly stations and one lathe with just one robot
- + Less work for factory workers
- + Short loading and unloading times
- + Operation of the feed and discharge belt by one robot in three-shift mode
- + Flexible work sequences

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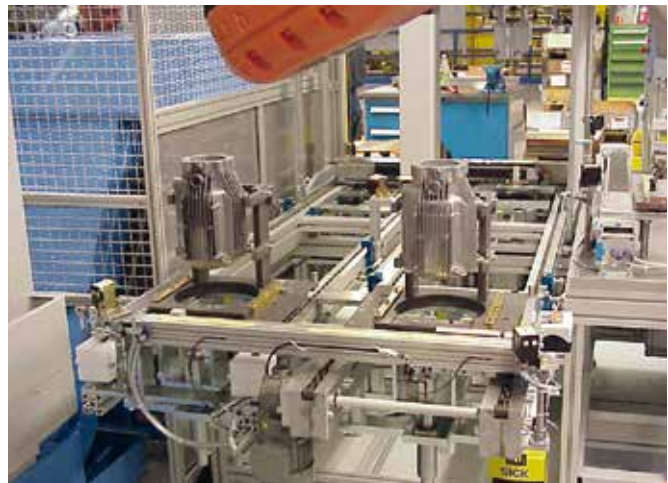
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## Technical details:

|                                       |                          |
|---------------------------------------|--------------------------|
| <b>Robot</b>                          | KUKA KR125               |
| <b>Gripper arm stroke</b>             | 200 mm                   |
| <b>Robot weight incl. gripper arm</b> | 1 300 kg                 |
| <b>Workpiece weight</b>               | approx. 20 kg            |
| <b>Machine loading</b>                | with approx. 0.5 mm play |

## Our services:

- Project planning and management
- Programming
- Electronic and mechanical design
- Commissioning
- Production interfaces
- Manufacture and assembly



## 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 only Robotic systems and automation solutions but also the appropriate testing technology to test surfaces and dimensional accuracy and completeness.

**SAMPAS GmbH takes care of everything:**

... project planning and programming, project management, production interfaces, activation, operational approval, production oversight and much more!

**We look forward to hearing from you!**

### Sampas GmbH

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