



Description

- Adaptive assembly assistance based on optical and acoustic sensor technology for error detection and quality assurance
- Can be used as a learning island for untrained workers
- Step-by-step instructions guide you through the process
- Multimodal operating options (automatic recognition, speech, touch, ...) ensure a trouble-free process flow
- Integrated human-robot collaboration extends the possibilities in manual assembly

Change in work

- Unskilled workers are introduced to new processes more quickly
- No patronizing of the employee through variable process flow and adaptive assistance system

Added value & benefits

- Teach-in time of the employee is reduced
- Increase in quality assurance
- System adapts to the employee, thus the employee is supported but not disturbed in his work
- Multimodal operation through fusion of gesture and speech recognition

Contact person

Christian Jauch

Scene Analysis
Fraunhofer IPA
Nobelstrasse 12, 70569 Stuttgart

Phone: +49 711 970-1816
christian.jauch@ipa.fraunhofer.de

