

# Industrial Robotics

zSpace

## Prepare students for industry certifications and manufacturing workforce opportunities

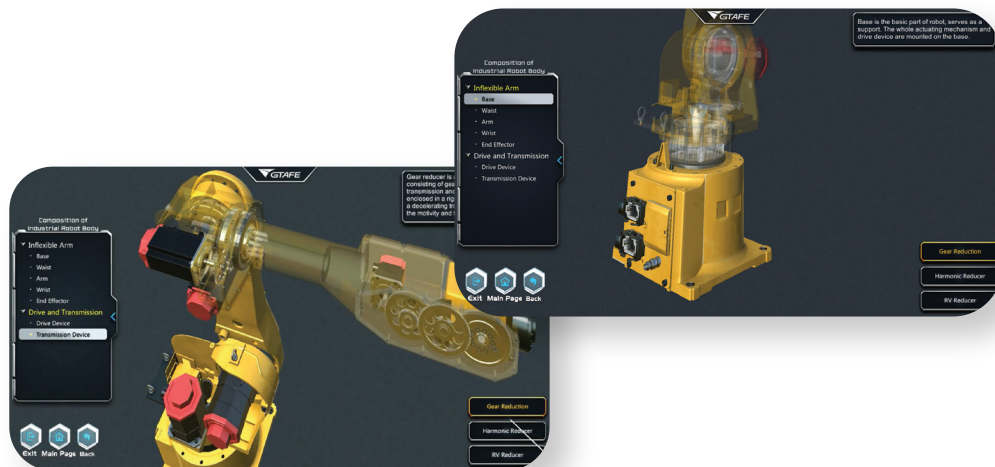
zSpace delivers advanced manufacturing applications on its AR/VR platform to provide students with hands-on training on a wide variety of manufacturing processes from preventative maintenance and routine repairs to logistics and production. Compared to traditional manufacturing training, students using zSpace can monitor assembly progress and provide real-time feedback. Training in AR/VR is unaffected by factory environments and can accommodate changes in product design, improve consistency across production lines, and address incoming or outgoing quality.



**Industrial Robotics Mechanic** by GTAFE allows students to practice assembly/disassembly, with a particular focus on preventative maintenance, and common procedures for manufacturing robots. Students will practice daily, monthly and quarterly maintenance procedures in this self-guided application.



**Industrial Robotics Expert** by GTAFE allows students to bring the textbooks to life with a particular focus on preparing them for industry standards. Content includes electrical, hydraulic, mechanical, and pneumatic principles. Students will explore complex standards and explore how these principles work together.



### Features:

- Perform preventative maintenance and routine repair
- Recognize potential maintenance issues with basic production systems:
  - Electrical systems, Hydraulic systems, Bearing and couplings, Belts and chain drives

### Benefits:

- Better learning results in an interactive, safe environment
- Lower training costs
- Identify fundamentals of blueprint reading



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