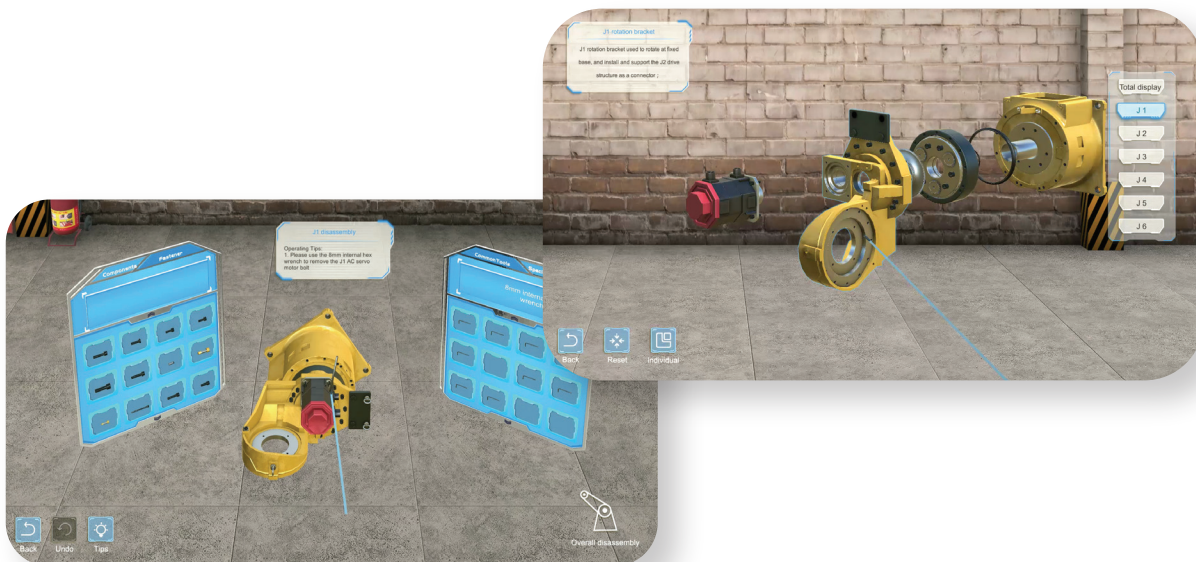# Industrial Robotics

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.

GTAFE Industrial Robotics Mechanic 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.

Features:

- Perform preventative maintenance and routine repair
- Recognize potential maintenance issues with basic productiion 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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