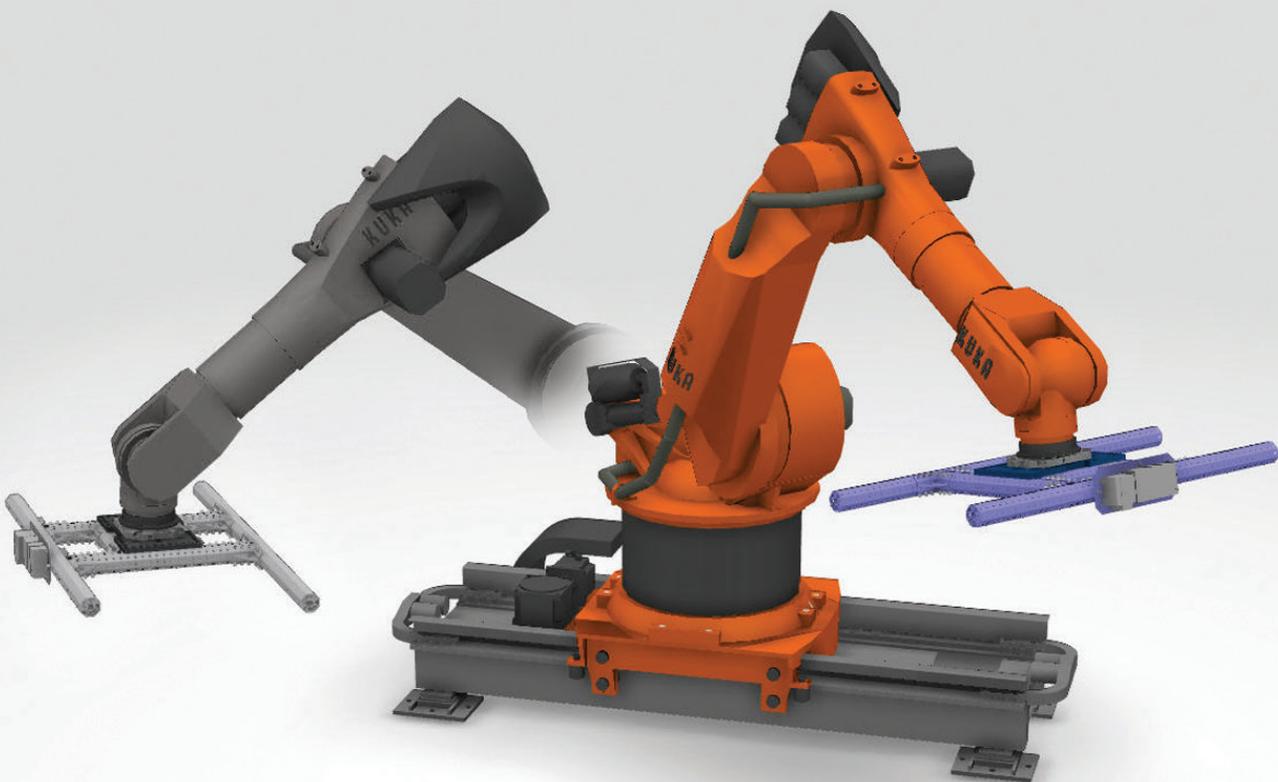


ROBOTICS ENGINEER

3DEXPERIENCE MANUFACTURING & PRODUCTION ROLE



SIMULATE AND VALIDATE INDUSTRIAL ROBOT BEHAVIOR

Robotics Engineer provides a 3D environment to create, simulate and validate an entire robot workcell for any manufacturing industry.

Robotics Engineer positions resources, simulates robots and tools, debugs motion trajectories, and establishes input and output connections between robot controllers and other devices. The sequencing tool provides the ability to create logic for sequencing robots and devices. Feasibility studies can be performed while interference-free simulations of manufacturing operations are created.

FAST, SIMPLE ROBOTIC WORKCELL LAYOUT

Users can choose from an extensive library of robot and controller models from all major industrial robot manufacturers. Auto placement and workspace envelope tools help them position the robot in a reachable position and benefit from early feasibility studies.

EARLY DISCOVERY AND RESOLUTION OF DESIGN FOR MANUFACTURING (DFM) ISSUES

Robot task feasibility studies can be performed early in the planning and detailing stages, reducing the cost of rework generated by product and tooling changes.

CONCURRENT ROBOT SIMULATION

Robot programmers can concurrently create and validate individual robot tasks in a single workcell, assembly line, or across an entire factory. As each user completes their work, the robot task details become available to all stakeholders and are incorporated into the parent process so that multiple users concurrently incorporate the collective work into their own work.

IMPROVED COLLABORATION BETWEEN SIMULATION ENGINEERS AND DESIGNERS

Based on the **3DEXPERIENCE®** platform, collaboration is supported throughout the extended enterprise. Powerful lifecycle and change management capabilities streamline the business process and improve the overall quality of work.

CREATE, SIMULATE AND VALIDATE ROBOT TASKS IN THE MANUFACTURING CONTEXT

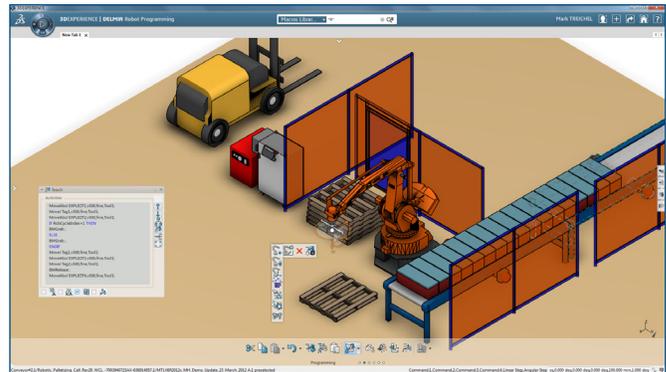
Robot tasks can be created and validated in a variety of manufacturing contexts. This helps in understanding how motion variables will impact task definition.

Role Highlights

- Groundbreaking **3DEXPERIENCE®** platform
- Rapid station layout
- Intuitive robot teach pendant-like user experience
- Support advanced logic, and input and output, in the simulation
- Accurate process cycle time analysis



Create, simulate and validate a robot workcell



Create comprehensive workcell logic

Our **3DEXPERIENCE®** platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE®** Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 220,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



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