

# Efficient modeling for industrial robot integration

## HOW ICARUS CREATED SIMULATION-BASED SAFETY FOR AUTOMOTIVE PRODUCTION

A leading industrial robot manufacturer for the automotive industry faced the challenge of delivering valid simulation models for a new production line at a well-known OEM. Each component had to be developed individually, independent of the manufacturer, requiring extensive customization and tuning.

### Objective

- Providing suitable simulation models for industrial robots
- Creation of a ready-to-use library of kinematized models
- Ensuring OEM-independent modeling of all components

### Proceed

- Modeling the components within Process Simulate
- Direct exchange and evaluation with the end customer
- Creation and storage of kinematized CAD components and assembly models

### Result

- All relevant kinematized models provided
- Fully operational parts library created
- Efficient and precise implementation with continuous communication

**"What convinced us was the combination of technical precision and rapid implementation. Add to that communication that simply works—that's what makes the difference."**

**ROBOTICS EXPERT**

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