The **fastest and easiest** way to automate robot programming

1. Import PMI data to create paths
2. Assign process knowledge to paths
3. Sequence and create searches
4. Solve path issues
5. Post-process to the robot

Sign up for release updates

Faster, scalable programming **for 22 robot brands**

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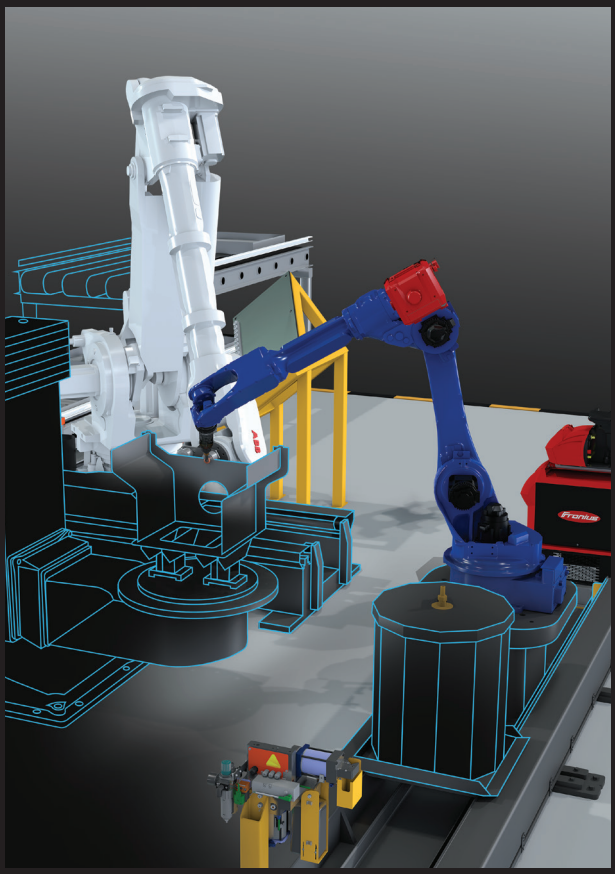
VISUAL COMPONENTS

OLP **5.0**

Fastest and easiest
robot programming.
Even more automated.



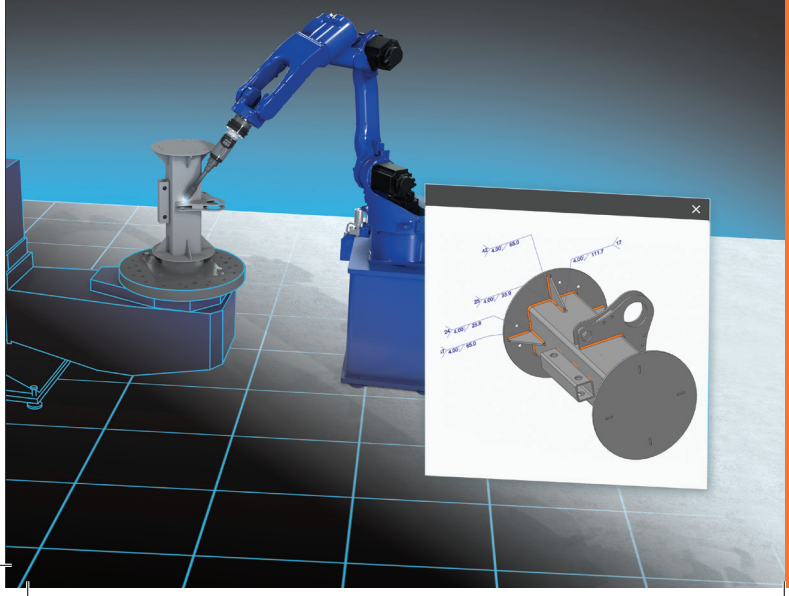
Model-based engineering — next level OLP automation

Translating design intent into robot programs has traditionally required manual interpretation of CAD data, slowing deployment and increasing the risk of errors. Visual Components OLP 5.0 introduces model-based engineering (MBE) to automate this process.

By extracting product manufacturing information (PMI) directly from supported CAD files, MBE enables automatic generation of robot toolpaths based on dimensions, tolerances, surface finishes and other critical design annotations. This allows early collaboration between design and manufacturing, delivering more accurate, repeatable and scalable robot programming across brands and processes.

Accelerate design-to-production workflows:

- Eliminate interpretation errors across teams
- Avoid delays with consistent, repeatable workflows
- Improve quality and efficiency with automated programming



Automatic path solver * — fast and reliable path solving

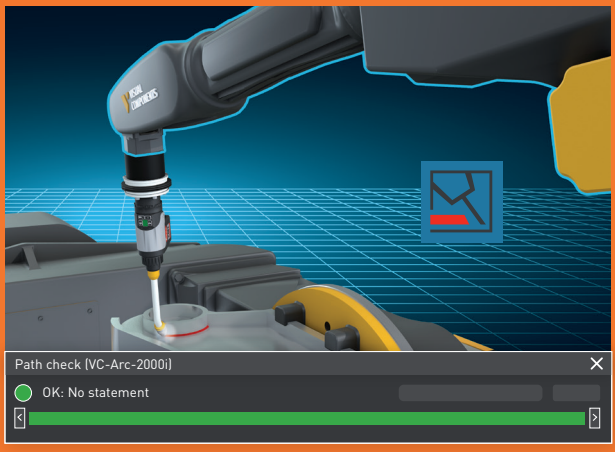
Robot path planning often involves trial-and-error to avoid collisions, joint limits and reachability issues, slowing down programming and increasing the risk of failure in production. With Visual Components OLP 5.0, the automatic path solver handles that complexity for you by generating safe, collision-free paths for process, via and search paths even in tight spaces or complex multi-robot cells.

New collider behaviors simplify the setup of collision geometries, speeding up detection and solving. The solver's intuitive interface gives clear feedback on how paths were solved, making it easier to set up and understand. The solver's simplified settings make it easily adaptable to any robotic process.

Speed up programming with consistent, production-ready paths:

- Solve collisions, joint limits and reachability issues automatically
- Understand and refine results with visual feedback
- Save programming time even for complex robotic processes

* Available in 5.0 to all OLP customers with active maintenance or subscription



Fronius connector — easy, precise weld job management

Connecting welding power sources to robot programming has traditionally required manual data transfer and separate tools, adding complexity and increasing the risk of errors. With Visual Components OLP 5.0, the Fronius connector automates this integration by enabling direct communication with Fronius welding power sources.

Users can read, edit, create and save jobs with complete parameter data directly within the software. This integration simplifies setup and programming, ensures precise control of welding parameters and supports consistent, high-quality welds across tasks and production runs.

Simplify and improve welding workflows:

- Automate data exchange and manage jobs with full data
- Ensure consistent and accurate welds across production
- Update welding parameters easily to match changing requirements