

## Visual Components Robotics OLP 4.8 Release Notes

### New Features

A short overview of what is new.

### UI and Licensing

- Comprehensive access to all OLP processes for all users including Arc, Cut, Spot, Surf, Paint.
- Full availability of all robot OLP post-processors for every user.
- Complete OLP functionalities are now presented on the PROGRAM tab.

### Path Setup Panel

- Introduction of Lead-in and Lead-out patterns on Path tab for all processes.
- The newly added Lead-in and Lead-out patterns on the Path tab now have rotation capability.

### Hover Panel

- The Process selector within the Hover Panel has been enhanced. Notably, changing the Process selection will also modify the button setup on the Program Editor panel.

### Program Validation, Path Check, and Simulation:

- Program Validation now supports conveyor synchronization.
- We've integrated a Linear 180-degree check for linear motion into Path Check, Program Validation, and Simulation. This new feature analyses if the robot's joint rotates beyond 180 degrees during its linear motion and subsequently issues a warning if such a rotation is detected.

### OLP Extras:

- The Torch Cloud creation and its export functionality have been refined. New Features:
- Introducing the Curve Caps tool, designed to create process paths on linesets within the CAD model.

### OLP Calibration:

- We've overhauled and upgraded all layout calibration algorithms, promising improved performance and accuracy.

### OLP Post-processors:

- Now includes support for IGM laser search.
- Added support for IGM multilayer with the flexibility of choosing not to execute all layers simultaneously.
- Integrated support for Yaskawa conveyor sync.

### Other Improvements (from OLP 4.7)

- Tool solver available on Path Setup panel (Automatically Adjust tool angles and offsets to avoid Robot Tool colliding with the Workpiece, keeping the path in Full-Modify mode)
- Fronius WireSense support for Fanuc and Yaskawa
- PMI/MBD – Product Manufacturing Information in path generating
- CREO, xml export available from Creo 9
- Wiscon standard
- QIF standard (via MBDVidia export)