Shibaura Machine

TSAssist
Robot Programming Assist Tool

Powerful Assistance To All Phases Of Automation Facilities, From Planning, Installation To Enhancement

TSAssist - Shibaura Machine's New Generation Robot Programming Tool

High Performance 3D Simulation

Accurate simulation with interference check, locus display, timer (cycle time measurement), placing simple workpieces and model shapes, loading 3D CAD data, saving 3D simulation to a video file, and multi-angle view

These functions enable highly-accurate and a high-quality estimation of robot-automation processes.

From simple outline simulation to "get the picture" to accurate simulation closer to actual machine implementation, TSAssist powerfully assists all phases of robot-automation system life cycle, from initial "sketch," planning, proposal, designing and installation, to improvement and re-purposing of existing facilities.

Highly Functional Program Editor

Robot language input support (keyword suggestions), Outline display, Split display.
Point data (taught position information) editor with, sort, search, filter functions.
And in 3D Editor Mode, robot can be guided by mouse dragging and by clicking on object model surface. No complex position calculation is necessary.

With these functions, programming can be done efficiently and with minimum mistakes.

Easy Operation

Easy-to-understand, intuitive screen design, ribbon interface, window-dock function for customize-able operator panels

Beginners will find it easy to understand and can quickly learn robot programing skills. For experienced robot users, TSAssist helps making robot programs efficiently by customization.

Solution Function

A simulation environment for a production line including multiple robots can be archived into a folder.

Multiple Language Support

Switch-able with English, Chinese (Traditional and Simplified) and Japanese.
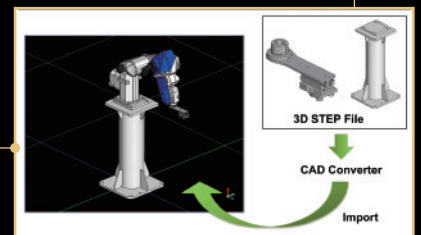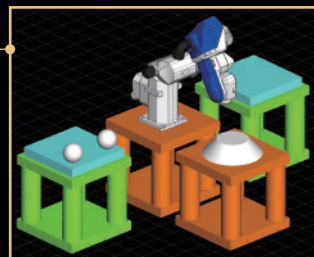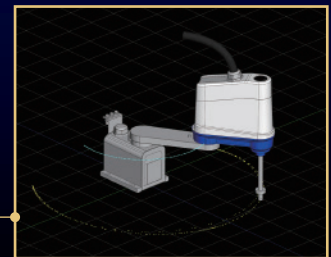
TSAssist allows smooth collaboration with overseas installations.

Note : Conversion software "VirfitAgent" is required in order to load 3D CAD data.
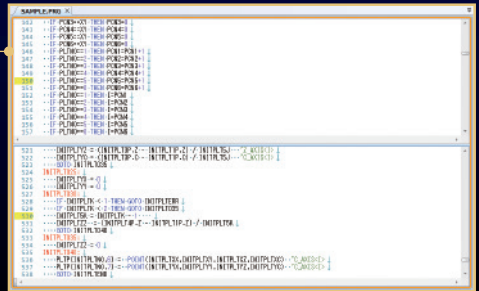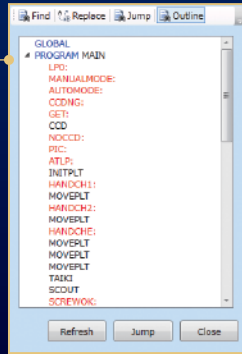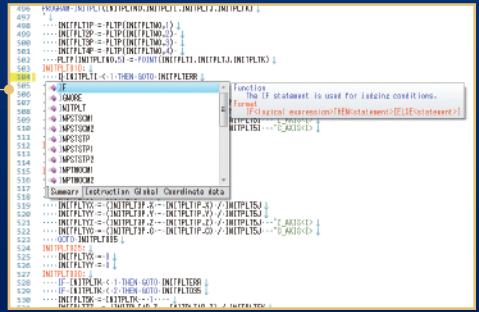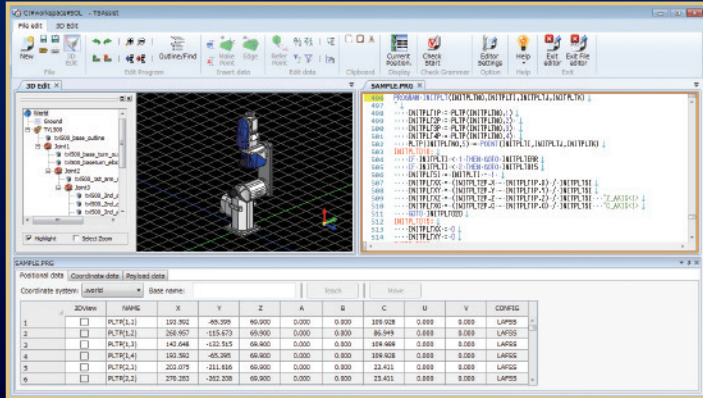
POINT 1 High Performance 3D Simulation

- ○ Interference check
- ○ Locus display
- ○ Timer (cycle time measurement)
- ○ Placing simple workpieces and model shapes
- ○ Loading 3D CAD data
- ○ Saving 3D simulation to a video file
- ○ Multi-angle view

3D STEP File

CAD Converter

Import

CatalogTZ00057-CES-03
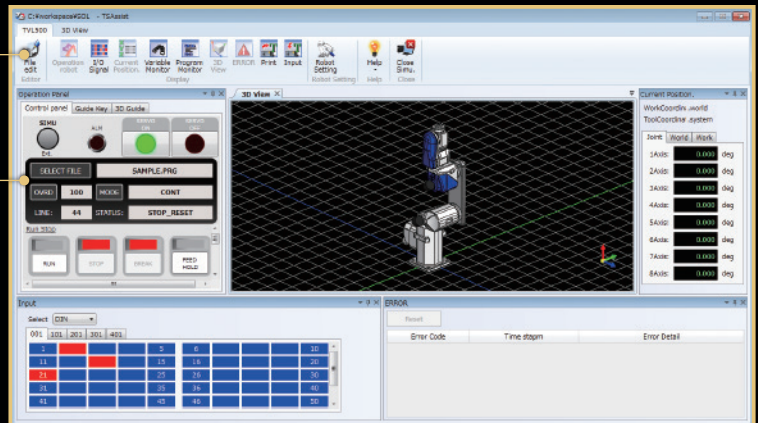
POINT 2 — Highly Functional Program Editor

○ Robot language input support (keyword suggestions)
○ Outline display
○ Split display
○ Point data editor's sort, search, and filter functions
○ 3D editor mode, robot guidance and teaching by mouse

POINT 3 — Easy Operation

○ Easy-to-understand, intuitive screen design
○ Ribbon interface
○ Customized operation panels by window-dock function

TSAssist system requirements : Windows 7, 8.1, 10 (32 or 64-bit)

Distributor