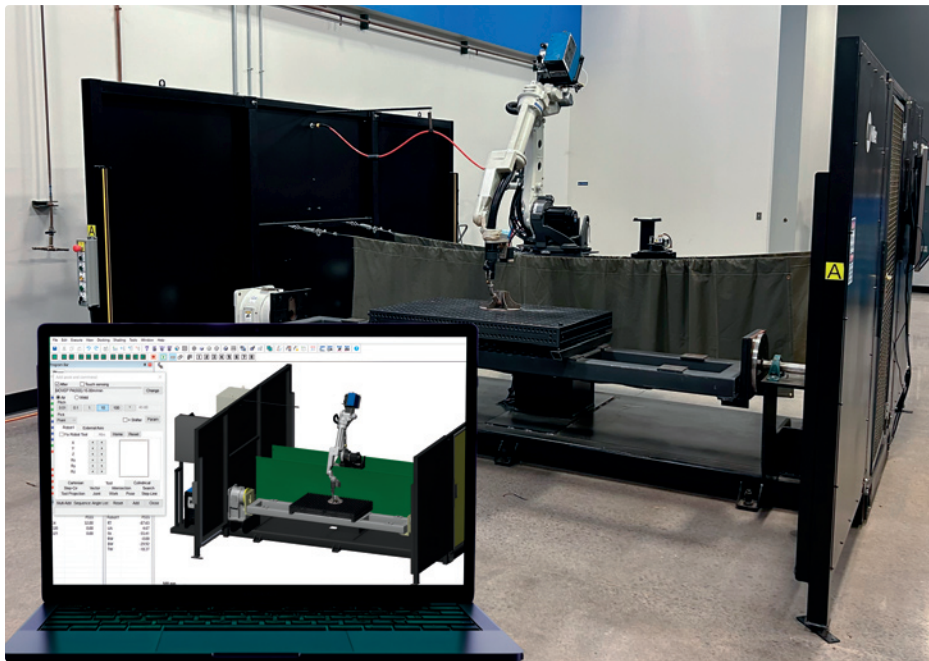


DTPS

Desktop Programming and Simulation

DTPS is an offline teaching, editing and simulation tool for Panasonic arc welding robots. Replacing the need for programming at the teach pendant, DTPS can minimize machine downtime and maximize your robotic weld cell potential.



Complete Virtual Design

The software matches a 3-D model of the robot system with imported 3-D CAD models of your parts and fixtures, creating a virtual replica of the welding system.

Export the robot program from the PC to the robot via Ethernet or USB memory after simulation eliminates collisions.

Visibility

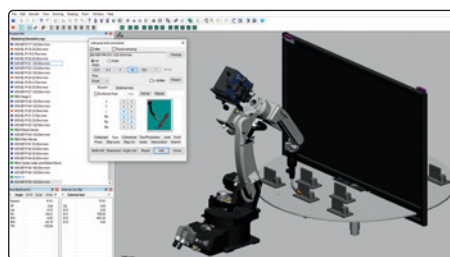
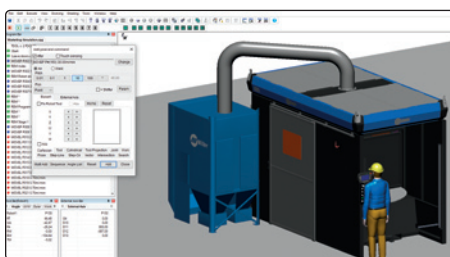
DTPS software reduces traditional programming time. Production does not need to stop for robot programming, allowing you to realize maximum uptime.

System diagnosis and fault analysis by PC without production interruption.

Compete Globally, Compete for the Future

Quickly and accurately assess production costs by creating offline programs — obtain cycle time and wire usage estimates.

Input weld sequences and run a program simulation to troubleshoot areas where weld procedure angles might be difficult to reach — aids in project feasibility and fixture design.



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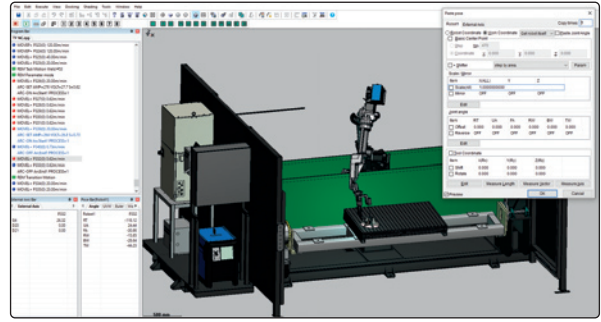

Applications

- **Low-volume, high-mix shops.** Program parts without interrupting production, making automation possible where ROI previously did not add up.
- **Shops with large complex weld assemblies.** Greatly reduce programming time with easy-to-use PC functions.
- **Projects with short start up times.**
- **Quoting tool.** Determine if a job is suitable for your robotic system and hedge your costs.
- **Creation of system and tooling layouts.**

Contact your local Miller representative for hardware and software requirements.

Features and Benefits

- **All Miller Welding Automation PerformArc™ robotic welding systems are in DTPS, all standard component CAD models are available, and custom systems are possible.**
- **Import your wrl, xgl, igs, stl and 3dxml CAD files.**
- **Reduce programming time** with easy-to-use functions such as copy/paste, mirror, scale and transfer.
- **Edit weld push/drag and work angles** quickly and with consistency.
- **Review visual workspace through simulation** to avoid robot reach and access problems.
- **Collision detection monitoring** in your off-line simulation reduces risk of crashes in your real world robotic cell.
- **Cycle time estimation**, including weld length and wire usage.
- **Network license available** to provide installation flexibility.
- **Calibration functions inside DTPS** maximize virtual to real accuracy.
- **Edit existing programs to optimize weld procedures with computerized consistency**, improving quality and reducing cycle times.
- **Lower costs for automation implementation** by assessing new product and tooling designs with simulation.
- **Shorten time to production.** Programs can be made during system build.
- **Minimize machine downtime.** Program your robotic fleet while production continues.
- **System can grow with you** — compatible across multiple Panasonic robot generations.
- **Additional sensor app (SLS Editor)** required to utilize Heavy Plate and Extended Touch Sensor robot options.



Resources When You Need It

Pre-Sales Application Support

Contact Miller Welding Automation prior to sale to discuss possibilities to support and prove out your unique welding challenges. Our lab can complete trials and make recommendations that will help reduce risk in your purchasing decision.

Training

We offer virtual training as well as in-person training at our different facilities to fit your needs. Training programs are offered for PerformArc operation and for our offline programming software — Desk Top Programming and Simulation (DTPS). Contact your Miller Welding Automation representative for more information.

Post-Sale Service and Preventative Maintenance

Contact Miller Welding Automation for service and preventative maintenance recommendations and programs, as well as troubleshooting of any operation issues.

Contact Us

Miller Welding Automation is your single point of contact for configuring and ordering your PerformArc system.

Continued technical support can be counted on from Miller Welding Automation in Carol Stream, Illinois. Please call our hotline number: (630) 653-6819.

Spare parts and wear items are provided in your initial purchase of PerformArc. Spare parts can be ordered from Miller Welding Automation.

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