

# FR-200 Fanuc Advanced Programming and System Training

Training Course Description

Versa RCT

Versa 2

Versa RC3L



## Train On Actual Weld Systems.

Fully Integrated Systems Are Located In The Genesis Training Lab.

### Course Duration

The duration is 4 days.  
(Depending on Robot Experience)

### Course Goal

The goal of this course is to train the student to safely setup and debug the advanced software functions of the Fanuc robot and Genesis system.

### Student Profile

This course is intended for persons who must program robotic welding system beyond simple part programs. Responsible for final product weld quality and reducing system cycle times.

### Prerequisites and Recommendations

Students should have completed a Fanuc Basic programming course. Previous production experience with Fanuc robots is preferred.

### Course Objectives

Upon completion of this course, customers will be able to:

- Safely operate robot and a Genesis system.
- Fundamentals of Fanuc teach pendant and robot operation will be reviewed.
- Review entire Genesis system electrical and mechanical manuals and schematics.
- Reduce System setup and down time.
- Become completely familiar with setup and operation of advanced Fanuc software options.

- Become completely familiar with advanced Fanuc setup procedures.
- Trouble shoot Fanuc robot and Genesis system using error codes, diagnostics and LED's recover from basic system errors.

### Main Topics

- Safety precautions while performing advanced functions with a Genesis system and Fanuc robot.
- Teach pendant menus and displays for entry of welding routines, program commands and weld data.
- Advanced Functions. Touch Sensing, Seam Tracking, Coordinated Motion, Program Shift Utility, Password Protection.
- Torchmate, Tool Center Point.
- PNS (Program Number Select) and RSR (Robot Service Request) Execution
- Robot Mastering and Mastering Procedures.
- Save programs - format disk/memory card, system variables and applications.
- Fast-Start

# Genesis Systems Group, LLC

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