

Introduction to Nitrogen Plastic Welding



Introduction to Nitrogen Plastic Welding Instructor-Led Training Course PR-01

This course provides an introduction to the repair of thermoplastic automotive parts using a nitrogen plastic welder.

Nitrogen plastic welding is excellent for the repair of thermoplastic parts like bumper covers, headlights, and under-hood and interior parts. The nitrogen fusion welding process allows for a stronger repair of headlight tabs, mounting tabs, flanges, and fender liners compared to other plastic repair methods.

In this training course, students will get hands-on experience repairing thermoplastics and thermoset polyurethane (PUR).

Shops that take advantage of plastic repair opportunities can experience reduced cycle time, reduced average cost to repair, and increased profits.



Training Objectives:

- Identify different plastic types
- Understand the basic nitrogen welding process
- Properly operate the nitrogen plastic welder
- Prep a bumper cover for welding
- Weld a tear to the edge of a bumper cover
- Repair a torn slot tab
- Repair a torn flange
- Perform a weld test to identify plastic
- Repair a thermoset polyurethane (PUR) bumper cover using an airless plastic welder



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Details:

Time required:

- Approximately three hours.

Location:

- Scheduled at your place of business.

Cost:

- \$1,500 per session for up to three students. Depending on location, there may be additional travel expenses.

Is it recognized under I-CAR®'s Industry Training Alliance® program?

- Yes. Students who complete this training are eligible to receive three (3) I-CAR® annual training credits. Students MUST perform all hands-on activities and complete the pre-test and post-test evaluations.

Recommended experience:

- Knowledge of basic body shop tools.

Work area requirements:

- Access to a classroom area and shop.

Registration:

- Email training@polyvance.com or call 800-633-3047 to register for this training class.