

Nitro Fuzer Welders 6049-C, 6085-C, 6080-CG

The world's most advanced and complete nitrogen plastic welding kits.

Polyvance's Nitro Fuzer nitrogen plastic welders are the most advanced and fully-featured on the market. Each welder comes with everything you need to make the fastest and strongest plastic repairs on virtually any type of plastic.

Our Nitro Fuzer line of welders offer an option to every shop and every budget, from our basic 6049-C model to our top-of-the-line 6080-CG, which has its own nitrogen generator. Welding with nitrogen gas creates the strongest welds possible because it eliminates oxidation of the plastic during the welding process. Think of it like TIG welding for plastic; there's no oxidation, no burning, and no weld contamination.

The 6080-CG and 6085-C Nitro Fuzer welders feature hassle-free, automatic, air-to-nitrogen gas switching to eliminate nitrogen waste. They also feature digital encoders for precise control of the nitrogen and airless welder temperatures. Precision flow regulators coupled to a direct-reading flow gauge allow precise control over gas flow in the welding process. Finally, a low-pressure safety switch helps prevent the heating element from overheating if the gas flow drops too low. These features add up to a machine that's as versatile as it is easy to use.

Established in 1981, Polyvance was the first company to commercialize nitrogen plastic welding. Since 2006, Polyvance has delivered more nitrogen plastic welders and trained more technicians to plastic weld than all other companies combined. Our expertise allows Polyvance to manufacture the most advanced nitrogen plastic welders and provide the best quality training in the industry.

Polyvance offers the widest range of plastic welding rod materials, profiles, colors, and sizes on the market, including several advanced blends featured on many high-end vehicles. Our welding rod selection gives you the ability to repair virtually any automotive plastic, from bumpers and headlights to under hood and interior plastics.

The 6080-CG and 6085-C Nitro Fuzer welders include free courtesy training from a factory-trained instructor at your location. Polyvance also offers advanced training that is approved as part of the I-CAR® Industry Training Alliance® program.

Partner with Polyvance to increase productivity and profits today!



6080-CG Nitrocell
(Nitrogen generator model)



6085-C



6049-C

Polyvance
ADVANCING POLYMER REPAIR

Customer Support:
Toll Free: 800-633-3047
Phone: 256-638-4103
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NITRO FUZER WELDERS | Features



6049-C



6085-C



6080-CG Nitrocell
(Nitrogen generator model)

Construction

	6049-C	6085-C	6080-CG
16 gauge USA manufactured steel cabinet	•	•	•
Two-tone powder coated finish	•	•	•
Over-sized steel rivets and screws throughout	•	•	•
Sturdy cabinet-mounted tool holster	•	•	•
Vibration-dampening, high-grip rubber feet	•	•	•
Fully assembled 16-gauge USA manufactured welding cart		•	•
Bolt-together USA manufactured welding cart (assembly required)	•		

Controls

Automatic air-to-nitrogen holster switch		•	N/A
Digital temperature control for air/nitrogen welder		•	•
Digital temperature control for airless welder		•	•
LED power set-point displays		•	•
Precision flow regulators for air and nitrogen supplies	•	•	•
Direct-reading precision flow gauge	•	•	•

Convenience Features

Programmable default start-up settings		•	•
Easily replaceable heating elements	•	•	•
Panel mounted circuit breaker		•	•
Fully-plumbed nitrogen regulator and hose	•	•	N/A
Air manifold for attachment of air hose	•	•	•
Compartmentalized welding rod and tool storage areas	•	•	•
Welding rod organizer case (qty)	1	3	3

NITRO FUZER WELDERS | Features

Welding Rod (For a detailed list, visit www.polyvance.com)	6049-C	6085-C	6080-CG
Selection of round, ribbon, & corner natural PP welding rod	•	•	•
Selection of round, ribbon, & corner black PP welding rod		•	•
Selection of round and ribbon ABS welding rod		•	•
Selection of round and ribbon LDPE welding rod		•	•
Selection of round and ribbon TPO welding rod		•	•
Selection of round and ribbon PC welding rod		•	•
Selection of round and ribbon HDPE welding rod		•	•
Accessories			
6075 Bumper Mate 2 Workstation		•	•
6145 Hand seamer tool		•	•
6482 Aluminum tape		•	•
6146 Bumper Pliers Kit			•
6061-1 Nitrogen Welding System Cover			•
6122 and 6125 Carbide cutting burrs (Made in USA)			•
6066-TA Nitrogen Tire Filling Adapter Kit			•
Safety			
Automatic low-flow element protection circuit	•	•	•
Melt-proof silicone hose	•	•	•
Ventilated welder holster	•	•	•
Adjustable nitrogen bottle supports	•	•	N/A
Training			
Free on-site courtesy training from Polyvance trained instructor		•	•
Access to online training library	•	•	•
Free unlimited instant-access phone tech support (7am-4pm CST)	•	•	•
Available Polyvance I-CAR® Alliance training courses (Fees apply)	opt.	opt.	opt.
Optional Equipment			
Nitrogen Generator (MSRP \$3,495.)	opt.	opt.	included
Warranty			
One year warranty (excluding 6062ME hot air element and misuse)	•		
Full “Bumper to Bumper” two year warranty (excluding misuse)		•	•
Q.R. Codes For additional product information and pricing			






Benefits:

- **Faster cycle time** - shops that increase their plastic repair percentage have experienced overall cycle time improvements of one to two days.
- **Higher gross profit** - shops make more money on labor than on replacement parts. Repair more plastics to keep more profit in the shop.
- **Lower severity** - shops that repair plastics can often find opportunities to increase their profits, while at the same time reduce the overall repair cost.
- **Strength** - fusion welding with the same material is stronger than bonding a different material.
- **Speed** - the welding process on thermoplastic can be finished much faster than two-part adhesive repairs.
- **Versatility** - nitrogen welding repairs tabs and small detail areas that would be impossible to do with two-part adhesives. It also allows you to repair polyethylene plastics like washer bottles and fender liners that two-parts won't stick to at all.
- **Avoid fit and blend issues** - repairing the OE cover allows you to blend in the panel rather than onto the undamaged fenders. It also avoids aftermarket fit issues.
- **Estimating options** - gives you more flexibility in the estimating process. Helps save total losses. Provides a bargaining tool with insurance adjusters.

Training:

Because Polyvance is an I-CAR Sustaining Partner™, students who successfully complete I-CAR Training Alliance approved training may redeem I-CAR credits at no additional cost.

Course Name	Description	Time Req'd	Location	I-CAR Training Alliance?	More Info & Pricing
Courtesy Training for new customers	This training is offered to customers who purchase select nitrogen plastic welding systems. Focuses on the proper use of the equipment and two basic welding techniques.	1 - 2 hours	At your location	No	No charge when we have a trainer in your area, or when provided by factory-trained preferred jobbers.
Introduction to Nitrogen Plastic Welding, PR-01	Provides up to three technicians with hands-on experience in five essential plastic welding operations, including thermoset polyurethanes. Certificate provided upon completion.	Approximately 3 hours	At your location	Yes 3 hrs	
Two Day Plastic Repair & Refinishing, PR-02	Provides a complete understanding of the plastic bumper repair process, from heat shaping and dent removal to welding, filling, priming, and texturing. Certificate provided upon completion.	2 days	At our facility in Rainsville, AL	Yes 13 hrs	
Headlight Repair, PR-03	This one-hour, video-based, e-learning course will show you how to repair broken headlight tabs with the nitrogen plastic welding system. You'll find out how to profit by repairing plastic parts you are currently throwing away.	Approximately 1.5 hours	Online at polyvance.tortal.net	Yes 1 hour	

Call 800-633-3047 to register!



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