

Nitro-Fuzer® Welders

8000 SERIES

A nitrogen welder for every need.

Polyvance first commercialized nitrogen plastic welders in the collision repair industry in 2006 and has led the development of this technology since that time. The 8000-series Nitro-Fuzer® welders are Polyvance's sixth generation machines, combining new user-friendly innovations with the many proven features that have made Polyvance's welders the industry's most popular for over a decade.

From the top-of-the-line 8203 with nitrogen generator and digital controls to the basic, manually-controlled 8002, the 8000-series line of welders offers options for every shop and every budget. The most popular models include a heavy-duty, USA-made welder cart, but standalone models for use on a workbench are also available.

All of the 8000-series welders incorporate patent-pending new technology created by Polyvance to make the welders easier to maintain and use. All welders feature a quick change hose and wiring assembly, which makes it easy to replace a damaged torch handle or hose. Simplified maintenance reduces down time and helps keep the shop productive. In addition, all 8000-series welders include automatic low-flow power cutoff protection, precision flow valves to allow the user to adjust the flow to suit the thickness of the plastic, and a direct-reading flow gauge to ensure repeatable performance.

Two models include the ultimate convenience of an onboard nitrogen generator, eliminating the need for bottled nitrogen gas. For shops on a tighter budget, the 8202 offers automatic air-to-nitrogen switching to eliminate wasting bottled nitrogen gas, making it nearly as convenient as the top-of-the-line 8203.

All of the 8000-series welders are covered by a two-year "bumper-to-bumper" warranty covering all parts except the heating elements.

Polyvance's welders come with our industry-leading customer service and technical support. Purchase of a Polyvance welder gives the user unlimited access to our online video training library and to our telephone technical support. Polyvance offers the only hands-on training courses approved under the I-CAR Industry Training Alliance. Partner with Polyvance to increase productivity and profits today!



8003
w/ nitrogen generator



8203
w/ nitrogen generator



Polyvance
ADVANCING POLYMER REPAIR

Customer Support:
Toll Free: 800-633-3047
Phone: 256-638-4103
www.polyvance.com



8000-series
overview

NITRO-FUZER® WELDERS | Features

Analog Controls				Digital Controls			
Stand-alone							
	8000 single gas	8001 dual gas, manual switch		8200 single gas	8201 dual gas, automatic switch		
With Cart							
	8002 nitrogen tank, manual switch	8003 nitrogen generator		8202 nitrogen tank, automatic switch	8203 nitrogen generator		

Features	Analog				Digital			
	8000	8001	8002	8003	8200	8201	8202	8203
Digitally encoded temperature control					•	•	•	•
LED displays for power setting					•	•	•	•
Analog temperature control	•	•	•	•				
Single gas input	•			•	•			•
Switchable dual gas input		•	•			•	•	
Manual air-to-nitrogen switching		•	•					
Automatic air-to-nitrogen switching						•	•	
Precision flow valves for air and/or nitrogen flow control	•	•	•	•	•	•	•	•
Direct-reading precision flow gauge	•	•	•	•	•	•	•	•
Quick-change hose and handle assembly	•	•	•	•	•	•	•	•
200 watt airless welder element with ceramic core	•	•	•	•	•	•	•	•
550 watt air/nitrogen heating element	•	•	•	•	•	•	•	•
6066 Nitrocell Nitrogen Generator				•				•
Convenience Features								
Programmable start-up settings					•	•	•	•
Easily replaceable heating elements	•	•	•	•	•	•	•	•
Panel mounted circuit breaker					•	•	•	•
Panel mounted fuse	•	•	•	•				
Nitrogen bottle regulator and hose		•	•			•	•	
Air manifold for attachment of air hose			•	•			•	•
Welding rod and tool storage compartments			•	•			•	•
Welding rod organizer case (qty)	1	1	1	1	1	1	3	3

NITRO-FUZER® WELDERS | Features

INCLUDED Accessories	Analog				Digital			
	8000	8001	8002	8003	8200	8201	8202	8203
6482 Aluminum Tape			•	•			•	•
OPTIONAL Accessories (not included)								
6148 Bumper Rollers for dent removal	•	•	•	•	•	•	•	•
6146 Bumper Pliers Kit	•	•	•	•	•	•	•	•
6061 Nitrogen Welding System cover			•				•	
6061-1 Nitrogen Welding System cover				•				•
6074 Folding accessory shelf			•	•			•	•
Welding Rod (For a detailed list, visit www.polyvance.com)								
Urethane welding rod	•	•	•	•	•	•	•	•
15 feet each of PP, ABS, LDPE, TPO, PA, & 4 ft PC round rods	•	•	•	•	•	•		
Organizer case w/ five profiles of natural PP welding rod	•	•	•	•	•	•	•	•
Organizer case w/ five profiles of black PP welding rod							•	•
Organizer case w/ ABS, LDPE, TPO, PA, PC, & HDPE rods & ribbon							•	•
FiberFlex® welding rod and stainless steel wire mesh							•	•
Construction								
Powder-coated, 16-gauge, USA-made steel cabinet	•	•	•	•	•	•	•	•
Sturdy cabinet-mounted torch holster	•	•	•	•	•	•	•	•
Fully-assembled, 16-gauge, USA-made welding cart							•	•
Oversized steel rivets throughout							•	•
Bolt-together, USA-made welding cart (assembly required)			•	•				
Safety								
Automatic low-pressure power cut-off protection	•	•	•	•	•	•	•	•
Shielded welder holster	•	•	•	•	•	•	•	•
Fully-grounded, enclosed welder cabinet	•	•	•	•	•	•	•	•
Adjustable nitrogen bottle supports			•				•	
Training								
Free unlimited access to Polyvance's online training library	•	•	•	•	•	•	•	•
Free unlimited phone tech support (7am-4pm CST Mon-Fri)	•	•	•	•	•	•	•	•
Free Polyvance plastic repair app	•	•	•	•	•	•	•	•
Available Polyvance I-CAR® Alliance training courses. Your location, our location, and on-line courses available.* (*Fees and/or student minimums may apply.)	•	•	•	•	•	•	•	•

Q.R. Codes For additional product information and pricing



8000



8001



8002



8003



8200



8201



8202








8203

Benefits of Plastic Welding:

- **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. Call 800-633-3047 to register. (Available only in USA.)

Course Name	Description	Time Req'd	Location	I-CAR Training Alliance?	More Info & Pricing
PR-01 Introduction to Nitrogen Plastic Welding	Provides up to three technicians with hands-on experience in five essential plastic welding operations, including thermoset polyurethanes.	3 hours	At your location, 3 students max	Yes 3 hours	
PR-02 Two-Day Plastic Repair & Refinishing	Provides a complete understanding of the plastic bumper repair process, from heat shaping and dent removal to welding, filling, priming, and texturing.	2 days	At our facility in Rainsville, AL	Yes 13 hours	
PR-03 Headlight Repair	This one-hour, video-based, e-learning course will show you how to repair broken headlight tabs with the nitrogen plastic welding system.	1.5 hours	Online at polyvance.tortal.net	Yes 1 hour	
PR-04 One-Day Plastic Repair & Refinishing	Full day class, our instructor comes to you. Provides a complete understanding of the plastic bumper repair process, from heat shaping and dent removal to welding.	7 hours	At your location, 4 students max. Travel expenses apply.	Yes 7 hours	
EPR-01 Estimating Plastic Repair	Takes an estimator or technician with no prior experience through plastics ID, repair methods, and 30 different calibration exercises where bumper damage is rated on a scale of 1 to 5.	2 hours	Online at polyvance.tortal.net	Yes 2 hours	



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