

## Hot Air Plastic Welding Station

6180-120V, 6180-230V, 6180-100V

The 6180 Mini-Fuzer Hot Air Plastic Welding Station is a budget-friendly, prosumer-quality alternative to Polyvance's line of professional quality Nitro-Fuzer nitrogen plastic welders. The kit includes both a hot air welder and an airless welder for making strong repairs quickly to a wide variety of plastic materials.

The hot air welder allows you to use Polyvance's ribbon-style welding rods for greater strength. The airless welder allows you to melt in reinforcing wire mesh and to repair thermoset polyurethane (PUR) plastics.

The Mini-Fuzer is great for repairing virtually any plastic found on cars, trucks, motorcycles, ATVs, UTVs, kayaks, canoes, recreational vehicles, industrial equipment, agricultural equipment, and much more.



### Features:

- Includes both hot air and airless plastic welders for greater versatility
- Temperature feedback control on both hot air and airless welders
- Automatic hot air welder heat-up and cool-down
- Variable hot air flow
- Three memory buttons to store commonly used settings
- Complies with US, Canadian, and international electrical safety standards
- Easily portable – no compressed air connection required
- Includes ten plastic welding rod types and stainless steel wire mesh

### Benefits:

- Cost effective, user friendly, entry-level plastic welding tool
- Create strong, fast repairs to meltable plastics with the hot air welder
- Repair non-meltable polyurethane bumper covers and truck bedsides with the airless plastic welder
- Strengthen repairs on thermoplastics with the included stainless steel reinforcing mesh
- Includes 10 types of welding rod, but can be used with any of Polyvance's 20+ different available materials



Use the hot air welder to make fast, strong welds on thermoplastics with included ribbon rods.



Use the airless welder to smooth hot air welds or to repair thermoset polyurethane (PUR) bumpers and truck bedsides with included welding rod.

Scan for more information



## 6180 Mini-Fuzer Specifications

Dimensions	14 x 12.25 x 4.5 inches 36 x 31 x 11 cm
Weight	11.3 lb (5.1 kg)
Rated Voltage Range:	North America: 110-127 V / 60 Hz Japan: 100-110 V / 60 Hz Rest of World: 220-240 V / 50 Hz
Rated Power:	370 W
Certification Duty Cycle	15 minutes maximum continuous use of hot air welder outside of holster / 5 minutes off. Always return hot air welder to holster when not in use to engage auto-cooldown mode.
Airflow Range	0 - 28 liters per min (0 - 1 CFM)
Temperature Range	100 - 480°C (212 - 896°F)
Warranty	1 Year Limited Warranty
Safety Standards Compliance	

## Plastic Welding Rods Included

Plastic Type and ID Symbol	Replacement Part Number	Color	Qty (ft)	Profile
Polypropylene (PP)	R02-01-03-BK	Black	5	●
	R02-04-03-BK	Black	5	▬
Low Density Polyethylene (LDPE)	R04-01-03-NT	Natural	5	●
	R04-04-03-NT	Natural	5	▬
ABS	R03-01-03-WH	White	5	●
Nylon (PA)	R06-01-03-NT	Natural	5	●
Polycarbonate (PC)	R07-01-03-NT	Natural	5	●
Polyurethane (PUR)	R01-01-03-NT	Natural	5	●
High-Density Polyethylene (HDPE)	R12-01-03-NT	Natural	5	●
	R12-04-03-NT	Natural	5	▬

Also includes:

Stainless Wire Mesh	2045W	-	1	N/A
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Polyvance has many more material types and profiles available.  
See [www.polyvance.com](http://www.polyvance.com) for more information.

Polyvance Plastic Welder Comparison Chart	5700HT Mini-Weld Airless Plastic Welder	6180 Mini-Fuzer Hot Air Plastic Welder	8200-series Nitro-Fuzer Nitrogen Plastic Welder
			
Airless plastic welder - slow, but simple & versatile	X	X	X
Hot air welder - faster & stronger than airless welder		X	X
Nitrogen welder - greater strength on certain automotive plastics			X
Uses nitrogen gas to prevent smoke and burning of plastic			X
Professional quality - when your reputation depends on it			X
Prosumer quality - DIY or light professional use	X	X	
Can be used with ribbon-style rods for greater strength		X	X
Can repair thermoset PUR plastics	X	X	X
Can melt in reinforcing wire mesh	X	X	X
Requires connection to compressed air source			X
Includes onboard air pump - no compressed air required		X	
Designed / Made / Assembled in USA	X		X
Imported		X	
Warranty period	1 year	1 year	2 years
Dimensions (inches)	14 x 4.5 x 12	14 x 12 x 11	38 x 42 x 19
Weight (pounds)	6	11	85 - 105
Welding rod types included with kit	8	10	23
Electrical Product Safety Standards Compliance	CE	UL, CE, UKCA, PSE	
Relative price comparison	●	● ●	● ● ● ●