

Welding Products: HOT AIR WELDING GUN



[Hot Air Welding Gun-1600 series]

Hot Air Welding Gun

The hot air welding gun is mainly used for plastic welding, industrial heating, plastic molding, surface drying, thermal shrinkage, ignition, baking, sterilization, etc. For example, hot air tools used for welding PVC, PE, PP, PA, EPDM, PS, TPO, EVA materials; Hot air tools for drying and activation; A hot air gun for shrinking plastic covers; A hot air tool used for welding plastic cans, plastic pipes, and plastic sheets.

The hot air welding gun is convenient, economical, and reliable for wedging into all different types of hot recycled materials, used for roofs, floors, waterproof fabrics, plastic manufacturing, etc. Especially suitable for sites with long-term continuous work.



[Hot Air Welding Gun-2000 series]



[Hot Air Welding Gun-3400E]



[Hot Air Welding Gun-3400s]

Hot Air Welding Gun Features:

- With small size, light weight, easy to carry.
- The temperature is adjustable from 20 to 620 °C.
- Professional technicians team can supply any customized demands.
- Wide scope of application, geomembrane welding machine can be used to weld various types of membrane materials;
- Own wind source, particularly suitable for field-site construction work.
- It is available for welding PE, PVDF, PVC, PP and other hot melt materials.
- Welding high strength, good sealing effect, the weld width, the quantity, speed, a welding molding.
- Integrated welding machines and split welding machines can be selected according to the construction plan, which is convenient to operate.
- A welding machine with dual independent heating system, digital display controller, 360 degree rotating welding head, and motor cold start protection function.

Accessories:

1. Default Combination Accessories:



2. Optional Combination Accessories:



Though specific engineering and site conditions will determine which type of hot air welding gun is used for a particular application.

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SPECIFICATIONS OF HOT AIR WELDING GUN

1. HOT AIR WELDING GUN-1600 SERIES

Model	1600A	1600S	1600D	1600E
Input Voltage	230 V/120 V	230 V/120 V	230 V/120 V	230 V/120 V
Frequency	50/60 Hz	50/60 Hz	50/60Hz	50/60 Hz
Power	1600 W	1600 W	1600W	1600 W
Temperature Range	20-620 °C	20-620 °C	20-620 °C	20-620 °C
Air volume	Max 180 L/min	Max 180 L/min	Max 180 L/min	Max 180 L/min
Noise	≤65 Db	≤65 Db	≤65 Db	≤65 Dn
Weight	1.1Kg	1.05 Kg	1.05 Kg	1.05 Kg
Motor	with brush	with brush	with brush	with brush
Handle Size	φ65 mm	φ58 mm	φ58 mm	φ58 mm
Digital display function	No	No	Yes	No
Overheat protection	Yes	Yes	Yes	Yes
Temperature Control	open loop	open loop	closed loop	open loop

2. HOT AIR WELDING GUN-3400 SERIES

Model	3400S	3400E
Input Voltage	230 V	230 V
Frequency	50/60 Hz	50/60 Hz
Power	3400 W	3400 W
Temperature Range	20-620 °C	20-620 °C
Air volume	Max 360 L/min	Max 360 L/min
Noise	≤65 Db	≤65 Db
Weight	1.2 Kg	1.2Kg
Motor	with brush	with brush
Handle Size	φ65 mm	φ58 mm
Overheat protection	Yes	Yes
Temperature Control	open loop	open loop

3. HOT AIR WELDING GUN-2000 SERIES

Model	2000	2000-G	2000D	2000D-G	2000-W
Input Voltage	230 V/120 V	230 V/120 V	230V/120 V	230 V/120 V	230 V/120 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power	1600 W	1550 W	1600 W	1550 W	50 W
Temperature Range	20-620 °C	20-620 °C	20-620 °C	20-620 °C	20-620 °C
Air volume	Max 180 L/min	Max 180 L/min	Max180 L/min	Max 180 L/min	Max 180 L/min
Noise	≤65Db	≤65 Db	≤65 Db	≤65 Db	≤65 Db
Weight	2.4 Kg	1.2 Kg	2.4 Kg	1.2 Kg	1.05 Kg
Handle Size	φ42 mm	φ42 mm	φ42 mm	φ42 mm	φ65 mm
Digital display function	No	No	Yes	Yes	No
Overheat protection	Yes	Yes	Yes	Yes	No
Air duct	3m	3m	3m	3m	/
Temperature Control	open loop	open loop	closed loop	closed loop	/

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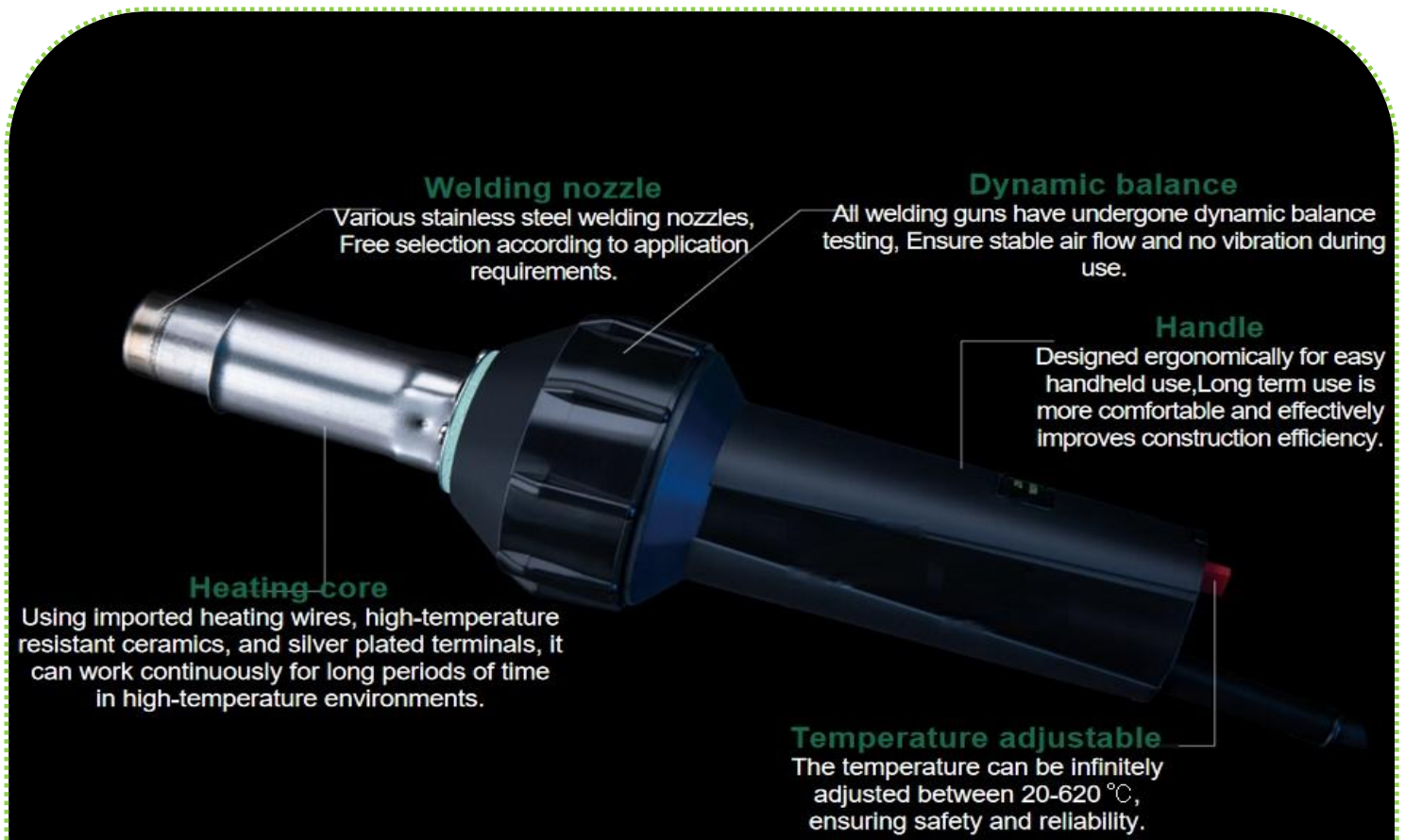
SPECIFICATION COMPARISON OF DIFFERENT MODELS HOT AIR WELDING GUN

Feature	Integrated				Separated	Brushless Motor:Life>6000h	
Model	1600A	1600S	1600D	3400	2000	1600D	3400S
Input Voltage	220 V/120 V	220 V/120 V	220 V/120 V	230 V	220 V/120 V	220 V/120 V	230 V
Power	1600 W	1600 W	1600 W	3400 W	1600 W	1600 W	3400 W
Temperature	20-620 °C Adjustable	20-620 °C Adjustable	20-620 °C Adjustable	20-620 °C Adjustable	20-620 °C Adjustable	20-620 °C Adjustable	20-620 °C Adjustable
Air Volume	Max 180 L/min	Max 180 L/min	Max 180 L/min	Max 360 L/min	Max 180L/min	Max 180L/min	Max 360L/min
Air Pressure	2600 Pa	2600 Pa	2600 Pa	3200 Pa	4000 Pa	2600 Pa	3200 Pa
Noise	≤ 65 Db	≤ 65 Db	≤ 65 Db	≤ 65 Db	≤ 65 Db	≤ 65 Db	≤ 65 Db
Net Weight	1.1 Kg	1.05 Kg	1.05 Kg	1.2 Kg	0.5 Kg	1.05 Kg	1.2 Kg
Handle Size	φ65 mm	φ58 mm	φ58 mm	φ65 mm	φ40 mm	φ58 mm	φ65 mm
Digital Display	No	No	Yes	No	Yes	No	No

Hot Air Welding Gun-1600 Series: This hot air welding gun adopts ergonomic design, is more light weight and portable, practical and comfortable. It is widely used in the welding and processing of plastic films, plates, pipes, and plastic floors. It can also be used for thermoforming, heat shrinkage, drying, ignition, etc.

Hot Air Welding Gun-3400 Series: This hot air welding gun is double insulated, temperature constant and continuously adjustable, which is used in welding hot melt plastic materials such as PE, PP, EVA, PVC, PVDF, TPO and so on. Also it is used in other works like hot forming, shrinking, drying, and igniting.

Hot Air Welding Gun-2000/2000D Series: The heating system of the hot air welding gun is separated from the gas source, making the handheld part smaller, more flexible, and more convenient to use; The welding gun also adopts dual insulation, constant temperature control, and continuous adjustability. Suitable for welding various thermoplastic plastics, such as PE, PP, PVC, etc. It can also be used for hot forming, thermal shrinkage, drying and other operations.



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APPLICATION

It is widely used in the welding of plate and membrane structures such as advertising cloth, tarpaulin, waterproof membrane, anti-seepage liner, waterproof coiled material, pipeline, electronic components, automobile bumper, sports floor, pearl cotton processing, electroplating tank, plastic pipe, PP / PE / PVC material plastic plate.

PROJECTS CASE OF HOT AIR WELDING GUN



[Plastic Container in Dominica]



[Floor in Bolivia]

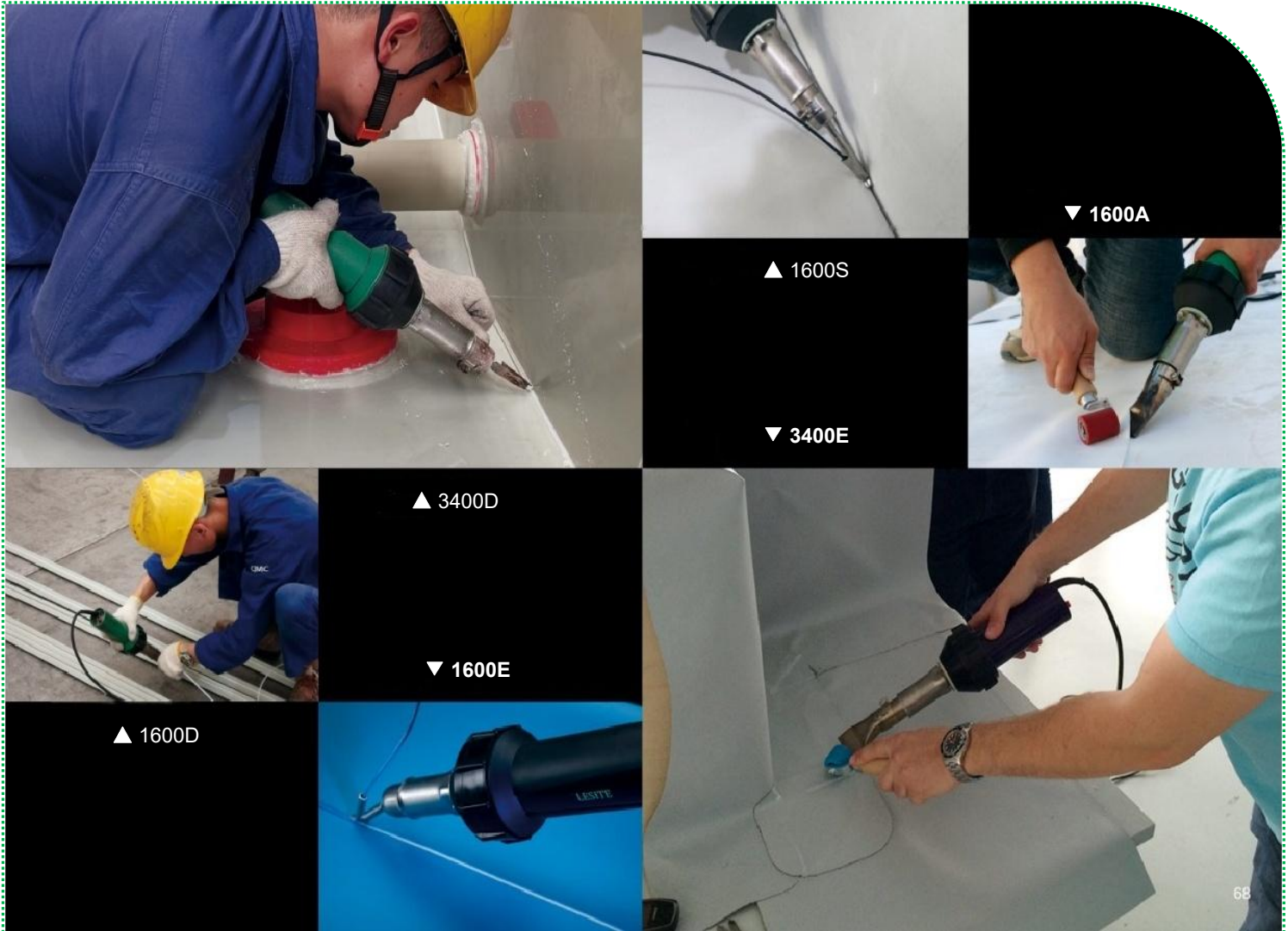
Use and precautions of geomembrane hot air welding gun:

1. When welding geotextile membranes, first adjust the temperature knob to the low gear, and then gradually increase it according to the welding needs after powering on, to reach the required temperature for welding.
2. Before shutting down, turn the knob to "0" and blow air for a few minutes. Wait for the gun barrel to cool before shutting down to prevent waste heat from damaging the components.
3. Do not touch the gun barrel with your hands during operation to avoid burns. Handle with care after use to avoid damaging the internal components of the gun and affecting its service life.
4. Non professionals are not allowed to disassemble and repair on their own.

- Heat Gun Alone Set: Heating parts, heat Shrinking, hot baking, drying and so on.
- Plastic Sheets/Pipes Welding Set: To weld PP/PE/PVC hot melted pipes, flange, plastic sheets, water tanks, water tower, plating tanks and repair pipes.
- Membrane Welding Set: To weld hot melted membrane such as tarpaulin, geosynthics, waterproofing sheets, waterproofing membrane, banner and so on.
- Plastic Rubber Floor Welding Set: To seam weld PVC plastic rubber floor such as floor in hospital, sports floor, and anti-dust floor and so on.

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INSTALLATION INSTRUCTIONS



Tips:

- Default combination accessories: Heating element, $\Phi 8\text{mm}$ tubular nozzle/ 20mm/ 40mm wide slot welding nozzle, 40mm silica gel pressure roller, brush, paper packing box.
- Optional combination accessories: Speed triangle/ round nozzle, Spot welding nozzle, Plastic suitcase, other welding accessories.
- Any else customized demands, you can ask us directly, we have a professional technicians team.

