

# ELECTRODE BENCH OVEN

The Electrode Bench Oven is an essential tool for maintaining welding electrode quality. By ensuring electrodes remain dry and free from contaminants, this oven helps improve weld quality and reliability. Let's dive into its uses, features, precautions, and other important details.

An Electrode Bench Oven is a compact, temperature-controlled device designed to store welding electrodes. It prevents moisture absorption, which can cause welding issues such as porosity and cracking. Suitable for workshops and field use, the oven is crucial for professional welders and industries prioritizing quality.

## TECHNICAL INFORMATION

SL NO:	PARAMETER	EO100DT2
01	Electrode Capacity	110Kg (250Lbs)
02	Max.Electrode size	18"(457mm)
03	Working Voltage	~220V
04	Wattage	1600 watts
05	Supply Cable size	14AWG X 3C
06	Temp. Range	Max. 400°C
07	Thermostat	Digital Temperature
08	Thermometer	Controller
09	Heating Element Type	U Shape Tubular
10	Thermal Insulation	2 1/2" Ceramic wool
11	Outer Size (mm)	L610 X W665 X H595
12	Inner Chamber (mm)	L500 X W350 X H320
13	Inner Basket	2 Sections
14	Body	Outer- Pre-galvanized steel sheet, powder coated, Inner- Stainless Steel sheet
15	Light Indicator	Yes
16	Shoes	Metal
17	Shape	Square
18	Net Weight	52.0 kg
19	Shipping Dimension	27 3/4" X W 28 1/2" X H30 1/4"
20	Shipping Weight	72.0 kg



## Safety Precautions :

1. Read the Manual: Follow the instructions for proper use.
2. Avoid Overheating: Set the correct temperature to protect electrodes.
3. Electrical Safety: Use the right power supply to avoid hazards.
4. Fire Safety: Keep the oven away from flammable items.
5. Protective Gear: Wear gloves and safety glasses when handling hot electrodes.
6. Maintenance: Clean and inspect regularly for damage or faults.

### How to Use an Electrode Bench Oven:

**Setup:** Place the oven on a stable surface near your workstation. Ensure proper ventilation around the unit.

**Preheat the Oven:** Turn on the oven and set the desired temperature. Allow it to reach the required temperature before placing the electrodes inside.

**Load the Electrodes:** Arrange the electrodes evenly to allow consistent heating. Avoid overloading, as this can reduce efficiency.

**Monitor the Temperature:** Check the temperature regularly to ensure it remains within the desired range.

**Remove as Needed:** When ready to use, remove the required number of electrodes carefully using insulated gloves or tongs to avoid burns.

### Advantages of Using an Electrode Bench Oven:

**Better Weld Quality:** Keeps electrodes moisture-free.

**Cost-Effective:** Minimizes electrode wastage.

**Easy to Use:** Simple controls for all users.

**Durability:** Prolongs electrode lifespan.

## Conclusion:

An Electrode Bench Oven is a vital investment for welders who value quality and precision. By ensuring your electrodes remain dry and ready for use, you can achieve consistent results and avoid costly errors. Always prioritize safety and follow recommended practices to maximize the

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