

# UA-1800

## HEAVY DUTY STUD WELDING SYSTEM

### **STUD WELDING:**

#### **Standard Features**

- 1 heavy duty stud welding gun with legs and footpiece
- 1 combination cable 50' of 4/0
- 1 ground cable and "C" clamp, 25' of 4/0

#### **Stud Welding Range**

#10 (4mm) through 7/8" (22mm) diameter studs

#### **Calibrated Time Control**

Continuously adjustable from .05 to 1.7 seconds

#### **Calibrated Current Control**

Continuously adjustable 100 to 1800 amperes

#### **Duty Cycle**

- 7/8" – 6 per minute
- 3/4" – 12 per minute
- 5/8" – 18 per minute
- 1/2" and under - unlimited

### **MANUAL WELDING:**

A constant current 600 ampere NEMA rated Machine

#### **Output Rating**

750 amperes at 44 volts 38%

#### **Welding Range**

100 to 800 amperes

#### **Capabilities**

Manual Welding – all size electrodes  
Arc air gouging – up through 750 amperes

### **PHYSICAL CHARACTERISTICS:**

- Height 30 inches
- Width 22-1/4 inches
- Depth 40 inches
- Weight 650 pounds



### **ELECTRICAL CHARACTERISTICS:**

INPUT POWER REQUIREMENTS	STUD WELDING	MANUAL WELDING
3 Phase 60 Hertz Voltage Current KW KVA	230/460/575 175/90/60 61 60	200/230/460 131/114/57 32 45
RATED OUTPUT	1800 amperes at 44 volts	600 amperes at 44 volts
DUTY CYCLE	12%	60%
Max. Open Circuit Voltage	70 volts DC	70 volts DC