



***Self-Propelled Mechanized DC Wirefeeder for  
Submerged Arc Welding with Track System Capabilities  
Rugged, Lightweight for Quick Joint-to-Joint Movement  
Portable and Flexible Automatic Welding Head***

**1-800-245-3660**  
**Rental Centers Across North America**

***North America's Largest Fleet of Welding and Positioning Equipment***

# **LT7**

## **Sub-Arc Tractor**

### **PROCESSES:**

- **Submerged Arc Welding (SAW) with 3/32" (2.4 mm) to 3/16" (4.8 mm) electrode diameters at travel speeds from 6 to 70 inches per minute using up to 1000 amps for operation with DC600 and DC1000 power sources**

### **FEATURES:**

- **self-propelled, mechanized DC wirefeeder for submerged arc welding**
- **invaluable for heavy fabrication because of its speed and ease of use**
- **perfect anywhere that long welds in the flat and horizontal positions are required**
- **can be used with or without track**
- **solid state controls precisely regulate procedures for reliable starting and economical welding to exacting requirements**
- **automatic compensation for input voltage and tractor loading variations which minimizes wirefeed and tractor speed changes while welding**
- **close mechanical alignment between wire and joint maximizes weld quality**
- **exceptional tracking and self-steering in most applications permits operation with only one operator**
- **makes butt, fillet, and trough welds on heavy plate or steel as light as 12 gauge (2.5 mm)**
- **a portable and flexible automatic welding head designed for ship and barge building, spherical storage tank erection, bridge deck installation, beam, girder, or column fabrication, long seams on heavy weldments**
- **all controls are located on the tractor, eliminating the need to return to the power source for routine procedure changes**
- **adjustments to electrode stickout or welding angles and tractor configuration changes can be made quickly and easily**
- **requires only simple, routine maintenance for trouble-free, hardworking operation**

### **CONTROLS**

- **current and voltage meters for monitoring weld parameters while welding**
- **115 VAC control switch**
- **inch buttons feed the electrode up and down at fixed inch speed**
- **push buttons start and stop the arc and travel**
- **115 VAC receptacle provides 120 watts of power for work lights**
- **calibrated travel speed control sets speed of travel in inches per minute**
- **direction of travel switch sets forward or reverse tractor direction for easy setup**
- **travel switch controls the tractor travel for automatic starting and stopping when welding, travel without welding during setup, and travel off**
- **CC-CV switch is inside control box for selecting between constant current and constant voltage power sources**

### **SPECIFICATIONS**

- **Welding Amperage Capacity: up to 1,000 amps**
- **Wire Size Range: 3/32" (2.4 mm) to 3/16" (4.8 mm)**
- **Wire Travel Speed: 6 to 70 in/min**
- **Dimensions: 27.5" (699 mm) x 33" (838 mm) x 14" (356 mm)**
- **Weight: 65 lb (29.5 kg)**



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