

# LT-10D

## SUBMERGED ARC WELDING TRACTOR



### A Flexible Solution for Demanding SAW Applications

The LT-10D submerged arc welding tractor is a self-propelled, highly adaptable welding solution designed to keep production moving in demanding environments. Its modular design enables rapid changeovers and easy transport through tight spaces, while a configurable platform lets crews tailor the setup to match their specific needs. Paired with submerged arc power sources featuring ArcLink® technology, including the Power Wave® AC/DC 1000® SD and Flextec® 650X, the LT 10D tractor can deliver high deposition rates well suited for butt and fillet joints on long plate welding applications.

#### Processes »

Submerged Arc

#### Applications »

Heavy Fabrication  
Ship Building  
Structural  
General Fabrication

#### Output »

1000 Amps

#### Input »

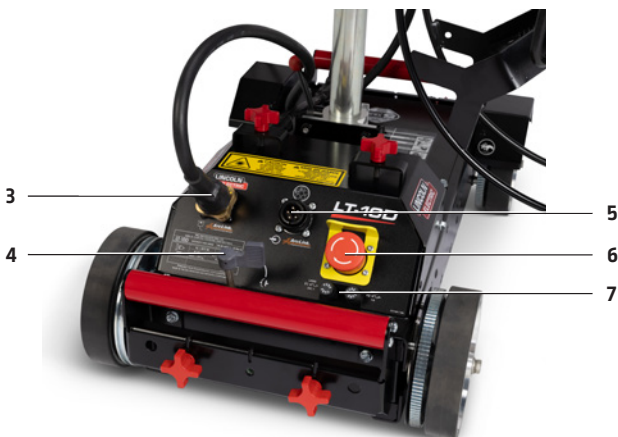


#### Product Numbers »

K52364-1

## FEATURES:

- » **Tool-Free Modularity for Fast Changeovers**
  - Breaks down into compact modules that are 50lbs or less to accommodate tight spaces and improve portability
  - High-visibility red knobs and levers identify all adjustment points
- » **Flexible Configurations to Meet Jobsite Demands**
  - Operates with or without a track
  - Three- and four-wheel configurations
  - Adjustable outriggers for guided steering on irregular surfaces
  - Horizontal and vertical torch adjustments
- » **Built for Tough Environments**
  - Robust tube and clamp design for secure component mounting
  - IP23S rating for harsh conditions (with spool cover installed)
- » **Advanced Pendant Puts Key Controls at the Weld**
  - Lightweight removable pendant with impact-resistant case
  - Easily recall pre-saved welding parameters
  - Set limits and apply lockouts
- » **High Deposition Efficiency**
  - Delivers exceptional deposition rates when paired with submerged arc power sources featuring ArcLink® technology
  - Ideal for butt and fillet welds on long plate welding applications



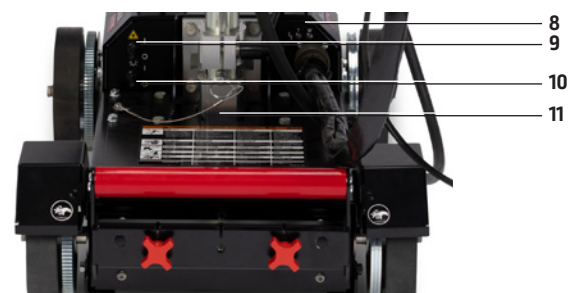
## KEY CONTROLS - CONTROLLER

- |                                 |                          |
|---------------------------------|--------------------------|
| 1. WFS/Amps Display             | 10. Inch Up Push Button  |
| 2. Auto Travel Control Switch   | 11. Right MSP Button     |
| 3. WFS/Amps Control Knob        | 12. Setup Menu           |
| 4. MSP Control Knob             | 13. Stop Push Button     |
| 5. Left MSP Button              | 14. Voltage Control Knob |
| 6. Travel Direction Push Button | 15. Start Push Button    |
| 7. Jog Push Button              | 16. Voltage Display      |
| 8. Memory Push Buttons          |                          |
| 9. Inch Down Push Button        |                          |



## KEY CONTROLS

- |                                       |                                 |
|---------------------------------------|---------------------------------|
| 1. Wire Feed Motor Connector (14-Pin) | 6. Emergency Power Switch       |
| 2. Lifting Handle                     | 7. Accessory Power Fuses        |
| 3. Pendant output (5-Pin)             | 8. Status LED                   |
| 4. Travel Motor Clutch Lever          | 9. Guide Laser Accessory Switch |
| 5. ArcLink Cable Input (5-Pin)        | 10. Work Light Accessory Switch |
|                                       | 11. Mast Retaining Pin          |



## WHAT'S INCLUDED

- Conduit Tubing, 5 ft. (1.5 m)
- 5/32 in. 600 Amp Contact Nozzle Assembly
- 5/32 in. Contact Tip
- Nozzle Extension, 5 In. Long (127 mm)
- Nozzle Extension Insulator
- Nozzle Extension, 45° Curved
- Flux Tubing
- Flux Hose Clamps
- Wire Reel Assembly (Accommodates a Standard 60 lb. (27 kg) Wire Wheel)
- Wheels for Track Operation
- Wire Reel Enclosure



## RECOMMENDED ACCESSORIES



### Three-Wheel Accessory Kit

Steerable front wheel assembly for tractor base

**Order K52368-1**



### Work Light Accessory Kit

820 Lumen high temperature LED work light with flexible mounting arm

**Order K52369-1**



### Laser Pointer Accessory Kit

Red dot class II laser pointer with mounting clamp

**Order K52370-1**



### Accessory Power Splitter

Adapter harness to power both work light and laser accessories simultaneously

**Order K52371-1**

## PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power Voltage	Rated Output	Travel Speed ipm (m/min)	Gear Ratio	Wire Feed Speed Range ipm (m/min)	Wire Sizes in (mm)	Dimensions As Shipped HxWxD in (mm)	Weight lbs (kg)
LT-10D Submerged Arc Welding Tractor	K52364-1	40 VDC	1000A / 100%	7 - 100 (1.78 to 2.54)	57:1	50 - 500 (1.3 - 12.5)	1/16 - 3/32 (1.6 - 2.4)	41 x 27 x 34 (1041 x 686 x 864)	180 (82)
					95:1	15 - 300 (0.4 - 7.5)	1/16 - 3/32 (1.6 - 2.4)		
					142:1*	15 - 200 (0.4 - 5.0)	1/16 - 3/16 (1.6 - 4.6)		

\*Gearing installed in the wire drive as equipped from the factory

For best welding results with Lincoln Electric® equipment, always use Lincoln Electric consumables. Visit [www.lincolnelectric.com](http://www.lincolnelectric.com) for more details.

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