

LN-25 PRO™

SEMI-AUTOMATIC WIRE FEEDERS



Shown:
LN-25 PRO Standard Model
(K2613-5)

PORTABLE INDUSTRIAL WIRE FEEDERS

LN-25 PRO series wire feeders are designed to be simple, reliable and easy to service. These voltage-sensing feeders are compatible with any CV welding power source. Whether you are an ironworker, pipeline welder, or weld at a construction site, shipbuilding facility or metal fabrication shop, we have the right semi-automatic wire feeder for you.

Processes »

MIG, MIG-STT[®], Flux-Cored

Applications »

Construction, Shipbuilding, Rental Fleet, Pipe, Metal Fabrication

Output »



Input »



All Models
Across the Arc



K2614-6 Only
Control Cable

Product Numbers »

K2613-5 PRO Standard
K2613-7 PRO Extra Torque
K2614-6 PRO Dual Power
K2614-5 PIPE
K2614-9 Ironworker[®]

[®] STT[™] capability only with K2614-6 Dual Power Model and K1525-1 Invertec[®] STT[™] II power source.

FEATURES

- **MAXTRAC® Wire Drive System** – Heavy-duty cast aluminum wire drive system provides reliable feeding and more durability.
- Tachometer feedback allows for accurate wire feed speed.
- **Dual Range Wire Feed Speed** – Delivers greater precision at low end wire feed speeds.
- **Trigger Interlock Switch** – Provides enhanced operator comfort for long welds.
- **Replaceable and Flame Resistant Case** – Can be replaced in less than five minutes.
- **Potted PC Boards** – For moisture and corrosion protection.

CHOOSE THE RIGHT MODEL FOR YOUR APPLICATION

| | LN-25 PRO Standard | LN-25 PRO Extra Torque | LN-25 PRO Dual Power | LN-25 Pipe | LN-25 Ironworker® |
|---|--------------------|------------------------|----------------------|------------|-------------------|
| MAXTRAC Wire Drive System | • | • | • | • | • |
| Trigger Interlock Switch | • | • | • | • | • |
| Replaceable, Flame Resistant Case | • | • | • | • | • |
| Internal Contactor | • | • | • | • | • |
| Gas Solenoid | • | • | • | • | • |
| Arc Sensing Lead and Clip , 15, ft. (4.5 m) | • | • | • | • | • |
| Two Gun Bushings (K1500-2 Tweco® style installed; K1500-1 Lincoln style loose) | • | • | • | • | • |
| 4/0 Input Power Cable w/Lug - 18.5 In. | • | • | • | • | • |
| Potted PC Boards for Moisture and Corrosion Protection | • | • | • | • | • |
| Dual Range Wire Feed Speed | • | • | • | • | • |
| Flow Meter | • | • | • | | |
| Dual Digital Display for Wire Feed Speed/Amperage and Voltage | | | • | • | • |
| CC/CV Switch | • | • | • | | |
| Analog Voltage Meter | • | • | | | |
| 5/64 in. (2.0 mm) cored wire drive rolls and guide kit (KP1697-5/64) included | | | | • | • |
| Extra Torque for up to 3/32 in. Diameter Wire Welding | | • | | | |
| STT®-Ready with Remote Control Capabilities (Control cable compatible with K1525-1 Invertec® STT II Power Source) | | | • | | |
| 14 lb. (6 kg) Innershield® Coil Adapter (K435) Included | | | | • | |

K2613-5
LN-25 PRO Standard

K2613-7
LN-25 PRO Extra Torque

K2614-6
LN-25 PRO Dual Power



K2614-5
LN-25 PIPE

K2614-9
LN-25 Ironworker



CONTROLS

LN-25 PRO/LN-25 PRO Extra Torque



1. Analog Voltmeter
2. Wire Feed Speed Knob
3. Dual Range Speed Switch
4. 5-Pin Gun Trigger Connector
5. Work Sense Lead
6. Thermal Protection LED
7. Welding Polarity Indicator LED
8. Gas Purge Pushbutton
9. Flow Meter Valve
10. Shielding Gas Inlet
11. Electrode Lead

LN-25 PRO Dual Power



1. Wire Feed Speed/Amperage Digital Display
2. Wire Feed Speed LED
3. Amperage LED
4. Wire Feed Speed Knob
5. 5-Pin Gun Trigger Connector
6. Work Sense Clip Connection
7. Thermal LED
8. Voltage Digital Display
9. Voltage LED
10. Remote Voltage Control Knob (not presettable)
11. Gas Purge Pushbutton
12. Flow Meter Valve
13. Shielding Gas Inlet
14. 14-Pin Control Cable Input
15. Electrode Lead

NOTE: In across-the-arc mode, voltage knob does not control voltage. Must be adjusted at power source.

LN-25 PIPE AND IRONWORKER



1. Wire Feed Speed/Amperage Digital Display
2. Wire Feed Speed LED
3. Amperage LED
4. Wire Feed Speed Knob
5. 5-Pin Gun Trigger Connection
6. Work Sense Clip Connection
7. Thermal LED
8. Voltage Digital Display
9. Voltage LED
10. Gas Purge Button
11. Shielding Gas Inlet
12. Electrode Lead

LN-25 ONE-PAK® PACKAGES

| ONE-PAK® | | ONE-PAK® COMPONENT INFORMATION | |
|----------------|---|--------------------------------|---|
| Product Number | Description | Product Number | Description |
| K4101-1 | LN-25 PRO Standard Wire Feeder / Magnum® PRO Curve™ 300 Gun  | K2613-5 | LN-25 PRO Wire Feeder Standard |
| | | K2951-2-10-45 | Magnum PRO Curve 300 Welding Gun Ready-Pak® 15 ft |
| | | KP1697-045C | Drive Roll Kit .040-.045 in. (1.0-1.2 mm) Cored Wire |
| K4101-2 | LN-25 PRO Standard Wire Feeder / K126® PRO FCAW-S Gun  | K2613-5 | LN-25 PRO Wire Feeder Standard |
| | | K126-12 | K126 PRO Innershield® 350A FCAW-SS Welding Gun 15 ft 1/16-5/64 |
| | | KP1697-5/64 | Drive Roll Kit 5/64 in. (2.0 mm) Solid/Cored Wire |
| | | KP1697-1/16C | Drive Roll Kit 1/16 in. (1.6 mm) Cored Wire |

ACCESSORIES

FEED PLATE GUN ADAPTERS

| K1500-1 ⁽¹⁾ | K1500-2 ⁽²⁾ | K1500-3 | K1500-4 | K1500-5 | K489-7 |
|---|---|---|---|---|---|
| Lincoln Electric | Tweco® #2 - #4 | Tweco #5 | Miller® Guns | OXO® Guns | Fast-Mate™ / Euro Connector |
| Compatible gun connector kits: | Compatible gun connector kits: | Compatible gun connector kits: | Compatible gun connector kits: | | Compatible with weld guns with Fast-Mate or Euro connectors |
| K466-1 K613-1 K613-6 K466-8 | K466-10 K466-2 K466-6 | K613-7 K613-2 | K466-3 K613-3 | | |
|  |  |  |  |  |  |

⁽¹⁾Included with machine. ⁽²⁾Installed in machine.

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MAXTRAC DRIVE ROLL & WIRE GUIDE KITS

| Description | Product Number |
|---|----------------|
| Steel Wire Sizes (includes stainless steel): | |
| .023-.030 in (0.6-0.8 mm) | KP1696-030S |
| .035 in (0.9 mm) | KP1696-035S |
| .045 in (1.2 mm) | KP1696-045S |
| .052 in (1.4 mm) | KP1696-052S |
| .035, .045 in (0.9, 1.2 mm) | KP1696-1 |
| .040 in (1.0 mm) | KP1696-2 |
| 1/16 in (1.6 mm) | KP1696-1/16S |
| Cored Wire Sizes: | |
| .030-.035 in (0.8-0.9 mm) | KP1697-035C |
| .040-.045 in (1.0-1.2 mm) | KP1697-045C |
| .052 in (1.4 mm) | KP1697-052C |
| 1/16 in (1.6 mm) | KP1697-1/16C |
| Steel or Cored Wire Sizes: | |
| .068-.072 in (1.8 mm) | KP1697-068 |
| 5/64 in (2.0 mm) | KP1697-5/64 |
| 3/32 in (2.4 mm) | KP1697-3/32 |
| Aluminum Wire Sizes: | |
| .035 in (0.9 mm) | KP1695-035A |
| .040 in (1.0 mm) | KP1695-040A |
| 3/64 in (1.2 mm) | KP1695-3/64A |
| 1/16 in (1.6 mm) | KP1695-1/16A |

WELD POWER CABLES

| Description | Product Number | |
|-------------|--|-----------|
| 1/0 Cable | Twist Mate™ to Lug, 1/0, 350A, 60% duty cycle, 10 ft. (3.0 m) | K1840-10 |
| | Twist Mate to Twist Mate, 1/0, 350A, 60% duty cycle, 25 ft. (7.6 m) | K1841-25 |
| 2/0 Cable | Tweco-Style male plug and female receptacle, 2/0, 350A 60% duty cycle, 50 ft. (15.2 m) | K2485-2 |
| | Tweco-Style male plug and 0.53 in. lug, 2/0, 350A, 60% duty cycle, 50 ft. (15.2 m) | K2484-2 |
| | Twist Mate to Twist Mate, 2/0, 350A, 60% duty cycle, 50 ft. (15.2 m) | K1841-50 |
| 3/0 Cable | Tweco-Style male plug and female receptacle 3/0, 600A, 60% duty cycle, 50 ft. (15.2 m) | K2485-3 |
| | Tweco-Style male plug and 0.53 lug, 3/0, 600A, 60% duty cycle, 50 ft. (15.2 m) | K2484-3 |
| | Lug to Lug, 3/0, 600A, 60% duty cycle, 10 ft. (3.0 m) | K1842-10 |
| | Lug to Lug, 3/0, 600A, 60% duty cycle, 35 ft. (10.6 m) | K1842-35 |
| 4/0 Cable | Lug to Lug, 3/0, 600A, 60% duty cycle, 60 ft. (18.2 m) | K1842-60 |
| | Lug to Lug, 4/0, 600A, 60% duty cycle, 110 ft. (33.5 m) | K1842-110 |

CONTROL EXTENSION CABLES (FOR DUAL POWER MODEL ONLY)

| Description | Product Number |
|--|----------------|
| Control Cable Extension, 10 ft. (3.0 m) - Male 14-pin to Female 14-pin | K1797-10 |
| Control Cable Extension, 25 ft. (7.6 m) - Male 14-pin to Female 14-pin | K1797-25 |
| Control Cable Extension, 50 ft. (15.2 m) - Male 14-pin to Female 14-pin | K1797-50 |
| Control Cable Extension, 100 ft. (30.4 m) - Male 14-pin to Female 14-pin | K1797-100 |

RECOMMENDED POWER SOURCES

LN-25 PRO

The LN-25 PRO line is powered "Across-the Arc". This means that it uses the open circuit voltage of the power source to power the feeder and can run off of any power source with 15-110V DC available at the studs. This gives excellent wire feeder portability because no control cable is needed. That means the LN-25 Pro machines will power off any machine that provides 15-110V DC at the studs.

The LN-25 PRO Dual Power wire feeder may also be powered through a control cable. Listed below are recommended power sources.

· *Flextec® Family* · *Ranger® Engine Driven Welders* · *Vantage® Engine Driven Welders* · *CV Family* · *Idealarc® DC Family* ·

RECOMMENDED ACCESSORIES



K126 PRO Innershield® Gun
350 A, 60% duty cycle air-cooled gun for flux-cored self-shielded Innershield welding. Magnum PRO expendable parts.
Order K126-11 (15 ft/4.5 m, K613-6 Gun Connector)
Order K126-12 (15 ft/4.5 m, K466-10 Gun Connector)
See publication E12.111



Magnum Self-Shielded Gun and Cable Assemblies
Available 250-600 amps.
See publication E12.110



Magnum PRO Gun and Cable Assemblies
250-550 amps, air-cooled, gas-shielded welding guns.
See publication E12.01



Magnum PRO Curve Semiautomatic Guns
Magnum PRO Curve guns for MIG or flux-cored, gas-shielded welding. Combine our classic curved handle with our Copper Plus™ contact tips and Magnum PRO gun expendables to deliver long hours of fabrication welding with less frequent tip and gun expendable parts changes.
See publication E12.05



Prewflow, Postflow and Burnback Time Kit
Provides adjustable delay of power source output shut off to prevent electrode sticking in crater when using high wire feed speeds.
Order K2330-2



Work and Wire Feeder 2/0 Weld Cable Package
Includes Twist Mate connectors, work clamp, 15 ft. (4.5 m) work cable and 10 ft. (3.0 m) electrode cable. Rated 350 amps, 60% duty cycle.
Order K1803-1



Weld Cable Package Work & Power Lead 2/0 - Tweco Male & GC500 / Tweco Male & Lug - 10 ft (3 m)
Includes Tweco-style Cam-Lock connectors, work clamps, 10 ft. (3.0 m) work cable and 10 ft. (3.0 m) electrode cable. Rated 350 amps, 60% duty cycle.
Order K1803-2



Weld Cable Package - Work Lead - TM & GC500 Ground Clamp (2/0, 350A, 60%) - 15 ft (4.5 m)
Includes Twist Mate (Dinse) connector, ground clamp, 15 ft. (4.5 m) 2/0 cable. Rated 350 amps, 60% duty cycle.
Order K1803-3



Work Clamp
Jaws open full 2-1/2 in. (63 mm). Welding cable lug bolts directly to the work clamp. 60% duty cycle. Select K910-1 for 300 Amp applications. K910-2 for 500 Amp.
Order K910-1 & K910-2



Tweco-Style Plug
Female, 1/0 through 2/0.
Order K3416-70



Tweco-Style Receptacle
Female, 1/0 through 2/0.
Order K3417-70



Tweco-Style Plug
Male, 3/0 through 4/0.
Order K3416-90



Tweco-Style Receptacle
Female, 3/0 through 4/0.
Order K3417-90



Deluxe Adjustable Gas Regulator
Deluxe Gas Regulator for Mixed Gases, Adapter for CO₂ and 10 ft. (3.0m) Hose.
Order K586-1



Wire Feed Speed Meter
A wire feed speed meter with digital display.
Order K283



Jumper Plug Kit
For use with CV only power sources with 14 pin MS-type wire feeder connections and no contactor control switch. Jumper plug kit closes contactor for always hot welding output.
Order K484



14 Lb. Innershield Coil Adapter
Permits 14 lb. (6 kg) Innershield® electrode coils to be mounted on 2 in. (51 mm) O.D. spindles. Wire not included.
Order K435



8 In. O.D. Spool Adapter
For small spools. Permits 8 in. (203 mm) O.D. spools to be mounted on 2 in. (51 mm) or 2.5 in. (64 mm) O.D. spindles.
Order K468



Replacement Case Kit
Replace a damaged case without replacing the entire unit.
Order K2596-2 (plastic)



Twist Mate Cable Plug
For connecting welding cable to output terminal receptacles. For 2/0 - 3/0 (70 - 90 mm²) cable.
Order K852-95

PRODUCT SPECIFICATION

| Product Name | Product Number | Input Power | Output Capacity Current/Duty Cycle | Flow Meter | Wire Feed Speed Range ipm (m/min) | Wire Size Range - in. (mm) | | | Dimensions H x W x D in (mm) | Net Weight lb (kg) |
|------------------|----------------|----------------------------|------------------------------------|------------|-----------------------------------|----------------------------|------------------------|------------------------|--------------------------------------|--|
| | | | | | | Solid | Cored | Aluminum | | |
| LN-25 PRO | | | | | | | | | | |
| Standard | K2613-5 | 15-110 VDC | 450A/60% | Yes | 50-700 (1.3-17.7) | .023-1/16 (0.6-1.6) | .030-5/64 (0.8-2.0) | .035-1/16 (0.9-1.6) | 15 x 8.7 x 23.2 (381 x 221 x 589) | Approx. 38 (17) (varies per model) |
| Extra Torque | K2613-7 | | | | 30-400 (0.8-10.1) | | .030-3/32 (0.8-2.4) | | | |
| Dual Power | K2614-6 | 15-110 VDC or 24-42 VAC | 50-700 (1.3-17.7) | | .030-5/64 (0.8-2.0) | | | | | |
| PIPE | K2614-5 | 15-110 VDC | | No | | | | | | |
| Ironworker | K2614-9 | | | | | | | | | |

For best welding results with Lincoln Electric® equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

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