

LN-25X

FEWER CABLES. GREATER CONTROL



PORTABLE INDUSTRIAL WIRE FEEDER

We understand the needs of those working hard in the field every single day. Whether you're working on a large structure in a shipyard, or you're metres off of the ground, your safety and efficiency should never be jeopardised. The less you have to move, the more valuable you are. We believe good equipment should never limit your capabilities, and the LN-25X wire feeder with CrossLinc® and True Voltage Technology™ (TVT™) helps you get the job done with drastically less movement.

Processes
MIG, Flux-Cored

Applications
Construction, Pipe, Metal Fabrication,
Shipbuilding, Rental Fleet

Product Number
K4267-4I LN-25X w/TVT (with bonus K126 PRO gun)
K4267-4M LN-25X w/TVT (with bonus Magnum 400 gun)

The Lincoln Electric Company (Australia) Pty. Ltd.
35 Bryant Street Padstow NSW 2211 Australia
Ph: 1300 728 720 (AU) | 0800 728 720 (NZ)
www.lincolnelectric.com.au

Add name in here | 00/20 | © The Lincoln Electric Company (Australia) Pty Ltd | All Rights Reserved.



PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Output Capacity Current/Duty Cycle	Flow Meter	Input Power Connection	Wire Feed Speed Range ipm (m/min)	Wire Size Range (mm)			Dimensions H x W x D in (mm)	Weight (kg)
							Solid	Cored	Aluminium		
LN-25X w/TVT (with bonus K126 PRO gun)	K4267-4I	15-115V DC	450A @ 60%	Yes	Twist Mate / Dinse	50-700 (1.3-17.8)	[0.6-1.6]	[0.9-2.0]	[0.9-1.6]	381 x 221 x 589	18.1
LN-25X w/TVT (with bonus Magnum 400 gun)	K4267-4M										

FEATURES

- Maxtrac® Wire Drive System – Heavy-duty cast aluminum wire drive system provides reliable feeding and durability.
- CrossLinc® Technology – Control output at a distance with no additional cables.
- True Voltage Technology™ (TVT™) – Voltage drop compensation. Get what you set.
- Tachometer feedback ensures accurate wire feed speed.
- Trigger Interlock Switch – Provides operator comfort for long welds.
- Replaceable and Flame Resistant Case – Protects internal components, easy to replace.
- Potted PC Boards – For moisture and corrosion protection.
- Split Wire Guide – Reduces birdnesting and allows for easy cleaning no-fuss wire guide alignment.
- Bright digital meters for easy viewing even in bright sunlight.
- Included Twist Mate / Dinse style male connector on input power cable.
- Optional Flowmeter – for easy gas flow adjustment at the feeder.
- Weld Timers – Pre-Flow, Post-Flow, and Burn Back.
- Adjustable Wire Run-In Speed – for softer starting.
- Configurable for English or metric units.
- Arc Hours Meter.

MAXTRAC DRIVE ROLL AND WIRE GUIDE KITS

Description	Product No.
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
Aluminium 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

RECOMMENDED POWER SOURCES

Look for the X CrossLinc compatible feeders and power sources carry an X in their name, i.e. LN-25X, FLEXTEC® 350X. When paired together, CrossLinc communication will be established. The LN-25X will also work with any CV power source as a simple, across the arc feeder, but without CrossLinc or TVT capabilities.



KEY CONTROLS

FRONT VIEW

1. Work Power Lead
2. Wire Feed Speed Control
3. Wire Feed Speed / Amp Display
4. Voltage Display
5. Hidden Setup Menu Access
6. Voltage Control
7. Gun Connection Block
8. 5-pin Gun Trigger Connector



BACK VIEW

9. Optional Flow Meter
10. Shielding Gas Inlet
11. Electrode Lead with Twist Mate / Dinse connector
12. Work Sense Lead



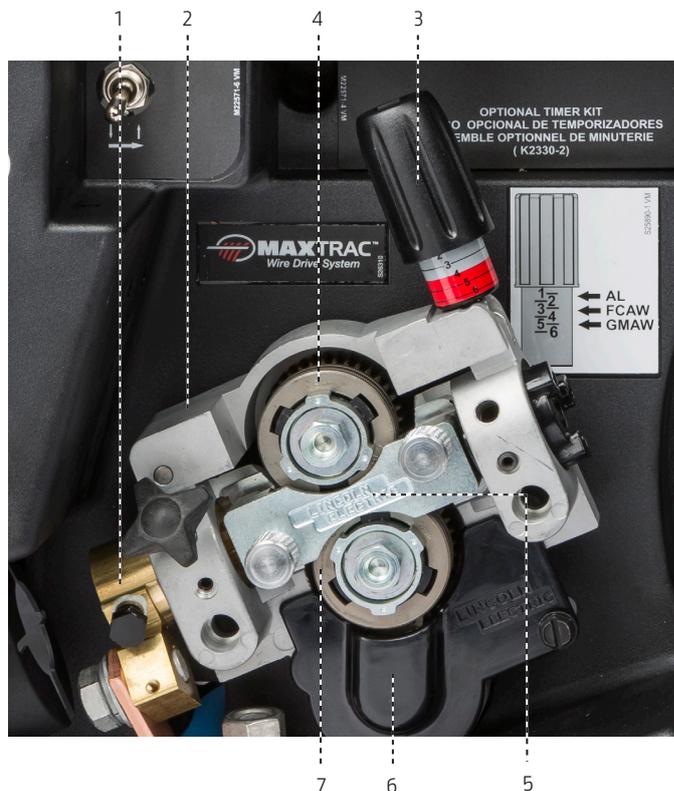
INSIDE VIEW

13. 2-Step / 4-Step Switch
14. MAXTRAC Drive System
15. Cold Feed Switch
16. Spool Retainer
17. Spindle Brake



TECHNOLOGY SPOTLIGHT

1. Brass to Brass Interchangeable Gun Bushings options for most weld gun styles. Excellent electrical contact for consistent arc.
2. Rigid Cast Aluminum Frame.
3. Twist-Lock Drive Roll Hubs toolless drive roll replacement.
4. Patented Dual Spring Pressure Arm optimised for both soft and hard wires.
5. Patented Split Wire Guides nothing to align, easy wire loading and easy to clean.
6. Separate Drive Gear reduced force on the drive motor shaft for consistent feeding.
7. Patented Drive Rolls Patented Dual Groove Drive Roll.





CrossLinc with True Voltage Technology (TVT) – Improve all aspects of your operation with CrossLinc and TVT.

Safety

- Reduce jobsite clutter by removing cumbersome control cables.
- Eliminate unnecessary movement of personnel across the jobsite.
- No need to drag heavy control cables around the site.

Quality

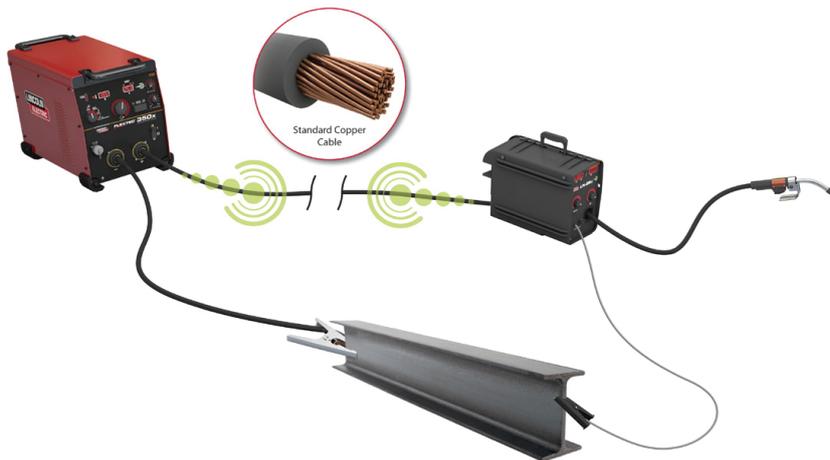
- Full output control at the arc results in the correct settings for every weld.
- True Voltage Technology (TVT) accurately compensates for voltage drop across long cable runs.
- Eliminate unintentional machine adjustments by helpers or other operators.

Productivity

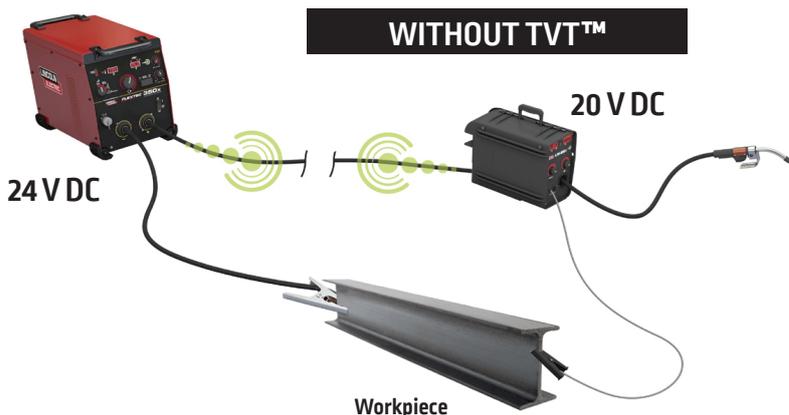
- Setup faster with fewer cable connections.
- Eliminate helpers or trips to the power source to make procedure adjustments.
- Minimise rework with easy settings adjustments.

CrossLinc Technology Communicates Settings Directly Over The Weld Cables.

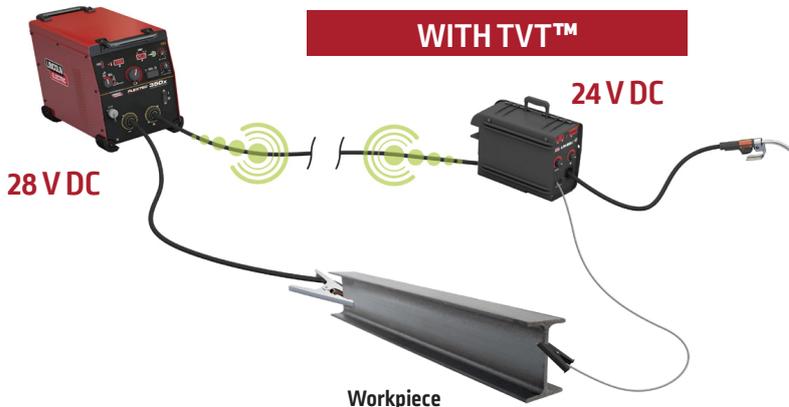
- No additional control cable is needed.
- Set the desired voltage on the feeder.
- The feeder sends the signal to the Flextec with CrossLinc power source.
- The CrossLinc compatible power source puts out the desired voltage.
- The LN-25X receives the voltage and lets you know the exact voltage at the arc.



As is common in many outdoor welding applications: (structural steel, shipbuilding, offshore, etc.) the operator can be located hundreds of metres away from the power source. All that cable can create a difference in voltage, or voltage drop, between the power source and the weld. In the example 24 volts is set on the welding power source. Due to electrical resistance through long cables, only 20 volts are actually available at the arc. This would result in a cold weld.



True Voltage Technology (TVT) sees this drop and gives you the true voltage you set by adjusting the power source to compensate for the voltage drop. In the example, 24 volts is preset at the LN-25X. TVT senses there is a 4 volt drop due to long weld cables and compensates by increasing the welder output to 28 volts. The result is the desired 24 volts available at the welding arc.



CUSTOMER ASSISTANCE POLICY

Lincoln Electric® business is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric® for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric® is not in a position to warrant or guarantee such advice and to the extent permitted by law assumes no liability, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given. The provision of information or advice does not create, expand or alter this warranty. Lincoln Electric® is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric® is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric® affect the results obtained in applying this type of fabrication methods and service requirements. Subject to Change – This information is accurate to the best of our knowledge at the time of printing.

The Lincoln Electric Company (Australia) Pty. Ltd.
 35 Bryant Street Padstow NSW 2211 Australia
 Ph: 1300 728 720 [AU] | 0800 728 720 [NZ]
www.lincolnelectric.com.au

