

# FLEXCUT® 65

## PLASMA CUTTER



### CLEAR CUT PERFORMANCE

The FlexCut™ 65 delivers powerful, reliable performance for both handheld and mechanized applications. With six plasma cutting processes, it's built to handle a wide range of jobs with speed and precision. CNC integration features built-in ports for easy setup and automatic detection, while the large LCD display provides clear, intuitive controls. Compatible with our FlexConnect™ Torch System, giving you the flexibility to switch between torch heads or cables in seconds.

#### Processes »

Drag Cutting, Grid Cutting, Mechanized, Extended, Precision Cutting, Gouging & Marking

#### Applications »

Construction, General Fabrication, Automation, Maintenance & Repair

#### Output »



#### Input »



#### Product Numbers »

K5825-H HANDHELD ASSEMBLY  
K5825-M MECHANIZED ASSEMBLY  
K5825-PS POWER SOURCE ONLY

#### Cut Performance - Mild Steel»

Recommended	Maximum	Severance
3/4 in (19 mm)	1 in (25 mm)	1 1/4 in (32 mm)

## VALUE-ADDED FEATURES

- **65 Amps of Cutting Power:** Tackle thicker materials with confidence and precision.
- **High Duty Cycle:** Built for demanding applications without overheating or slowing down.
- **LCD Display:** Bright, easy-to-read screen with simple controls for quick and precise adjustments.
- **Input Power Flexibility:** Compatible with both 1-phase and 3-phase power.
- **Plug-and-Play CNC Integration:** Built-in ports for easy setup - no extra kits required.
- **Multi-Process Capability:** Drag cutting, fine cutting, gouging, and marking with one machine for maximum versatility.
- **Rugged by Design:** Heavy-duty construction built for real-world conditions— hard to damage, and ready to withstand impact, dust, and daily wear.
- **Industrial IP23 Protection:** Resists dust and water spray for dependable performance in challenging conditions.

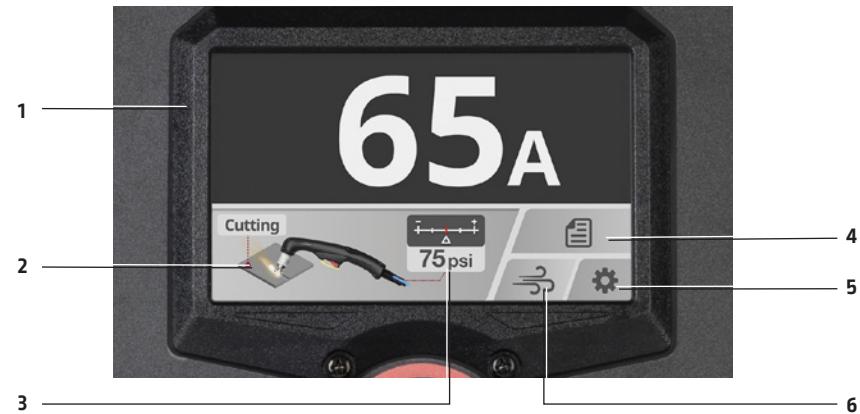
## KEY CONTROLS

1. Handle
2. User Interface
3. Main Control Knob
4. Torch Connection
5. Work Connection
6. Remote Connection (14-pin)
7. Input Power Cable
8. On/Off Switch
9. Cooling Fan
10. Air Inlet



## USER INTERFACE

1. Amperage
2. Process
3. Adjust Air Pressure
4. Guided Cutting Setup
5. Advanced Settings
6. Gas Purge



## GUIDED CUTTING SETUP

### From power-on to precision cutting in seconds

Don't waste time with complicated setup. With FlexCut™, you're ready to cut in seconds.

1. Adjust machine amperage to recommended setting
2. **Select the Cutting Guide** icon on the main user interface.
3. **Enter your material type and thickness.**
4. **View the recommended cutting amperage**—automatically calculated for clean, precise results.



## FLEXCUT PRO™ TORCH WITH FLEXCONNECT™

### One Torch. Endless Flexibility.

**Patented FlexConnect™ Torch System:** Switch between torch heads or cables in seconds—no tools required.

**Customizable Options:** Choose from multiple torch heads and cable lengths to fit your application.

**Universal Machine Compatibility:** Use one torch across the entire FlexCut™ machine lineup—no need for separate torches for different systems

**Lower Repair Costs:** Replace only the damaged part—head or cable—without buying a whole new torch.



## MORE CUTS. LESS COST. ZERO HASSLE.

**Long-Life Consumables:** Advanced electrode design and optimized airflow deliver more cuts per consumable, reducing replacement frequency and lowering operating costs.

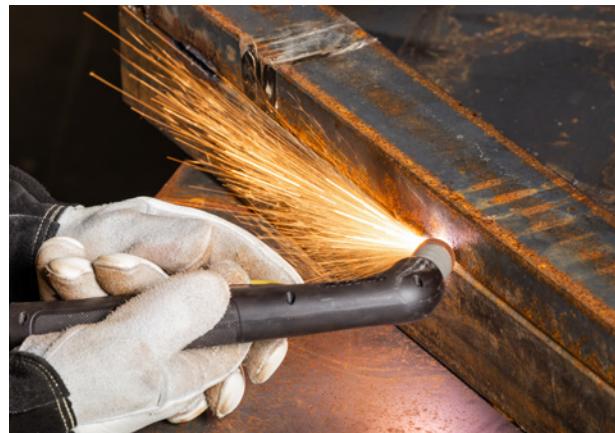
**Threadless Electrode Connection:** No more seized threads—just smooth, quick changes every time.

**Snap-In Installation:** Tool-free design means you can replace consumables in seconds.



## CUTTING SPECIFICATIONS

Recommended Cut Thickness / Speed	3/4 in / 20 ipm
Maximum Cut Thickness / Speed	1 in / 10 ipm
Severance Cut Thickness / Speed	1 1/4 in / 5 ipm
Pierce Thickness	5/8 in
Gouge Rate	9 lbs/hr



## WHAT'S INCLUDED

		Handheld Package K5825-H	Mechanized Package K5825-M	Power Source Only K5825-PS
FlexCut® 65 Plasma Cutter	N/A	●	●	●
FlexCut® PRO FlexConnect® Handheld Torch 25 ft	KP5850-25	●		
FlexCut® PRO FlexConnect® Mechanized Torch 25 ft	KP5852-25		●	
Air Filter	KP5844-1	●	●	●
Work Clamp & Cable	KP6035-1	●	●	●
Input Power Cord	N/A	●	●	●
Complete Consumable Kit - Handheld	KP5829-65	●		
Complete Consumable Kit - Mechanized	KP5830-65		●	

## RECOMMENDED ACCESSORIES



**Plasma Circle Cutting Guide Kit**  
For cutting circles 3-33 in in diameter. Works with all Lincoln Electric FlexCut PRO torches  
Order KP5916-1



**FlexCut PRO FlexConnect Torch**  
Includes 25 ft torch cable and Lincoln Electric's patented handheld FlexConnect torch head  
Order KP5850-25



**65A Drag Cutting Consumable Kit**  
Full consumable kit for handheld plasma cutting at 65A  
Order KP5829-65

**Plasma Straight & Angle Cutting Kit**  
Guide for making straight cuts with any plasma cutting torch  
Order KP5917-1



**FlexCut PRO Mechanized FlexConnect Torch**  
Includes 25 ft torch cable and Lincoln Electric's patented mechanized FlexConnect torch head  
Order KP5852-25



**OMNIShield™ Face Shield**  
Shade 5 IR lens provides infrared light protection for plasma cutting applications  
Order K3754-1

## PRODUCT SPECIFICATIONS

Product Name	Product Number	Package Type	Input Power Voltage/Phase/ Hertz	Rated Output Current/Voltage/ Duty Cycle	Recommended Circuit Breaker	Output Range	Engine Drive Auxiliary Power Requirement	Gas Pressure Required	Dimensions H x W x D in [mm]	Net Weight lb [kg]
FlexCut 65	K5825-H	Handheld	200-240/1/50/60 200-600/3/50/60	50% @ 65A [200-600V 1/3PH]	80A - 1-PH 50A - 3-PH	20-65A	15kW for 65A	90-130<psi	24.8 [630]	76.3 [35]
	K5825-M	Mechanized		60% @ 60A [200-600V 1/3PH]					10.3 [262]	
	K5825-PS	Power Source Only		100% @ 46A [200-600V 1/3PH]					17.6 [447]	

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

### CUSTOMER ASSISTANCE POLICY

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