

LINC-CUT® S 1020W & 1530W

CNC PLASMA CUTTING TABLES



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ELECTRIC

BOOST YOUR RESPONSIVENESS AND CREATIVITY

LINC-CUT® S 1020w & 1530w

PLUG & PLAY SYSTEM FOR PLASMA CUTTING

- Complete cutting system with high quality single-source components
- 2 year warranty*
- Air plasma cutting
- For mild steel and stainless steel
- Sheet metal 1000 x 2000 mm, 1500 x 3000 mm
- Compact machine optimizing the floor space
- Fast installation with minimal learning curve for operators
- Ready for operation within less than one hour after delivery and installation

*Refer to the conditions of application of the automatic guarantee charter on your Lincoln Electric site

Applications

- Small metal fabrication shops
- Sheet metal contractors
- Custom vehicle fabricators
- Prototyping
- Education & training
- Hobbyists & artists



Machine	Article code	Dimensions (mm)	Cut area (mm)	Weight (kg)	Water capacity (l)	Power demands	Machine ground
LINC-CUT S 1020w with Tomahawk® 1538	AS-CM-LCS1020WTH80	1900x3200 x1600**	1000x2000	650	260	230V/4A 1Ph 50/60Hz HMI and CNC controller	Dedicated earth ground supplied by other
LINC-CUT S 1530w with Tomahawk® 1538	AS-CM-LCS1530WTH80	2400x4200 x1600**	1500x3000	850	490		
LINC-CUT S 1020w with Flexcut® 125	AS-CM-LCS1020WF125	1900x3200 x1600**	1000x2000	650	260		
LINC-CUT S 1530w with Flexcut® 125	AS-CM-LCS1530WF125	2400x4200 x1600**	1500x3000	850	490		

**Add a minimum safety zone to these dimensions 800mm for operator access areas
Machine placed on concrete slab, flatness of the slab ± 10mm, drop 30mm 5mm/m max)

Product name	Air pressure required (Bars)	Air flow rate (l/min)	Power demands	Rated output	Output range (A)	Dimensions (mm)	Weight (kg)	Manual plasma torch
FlexCut™ 125 CE	6,2 – 8,2	260	400V/40A 3Ph 50/60Hz	125A/175V @ 100%	20 – 125	526x311x648	53,5	No
Tomahawk® 1538	6,0 – 7,5	280	400V/23A 3Ph 50/60Hz	60A @ 100% 100A @ 40%	20 – 100	455x301x118	35	Yes***

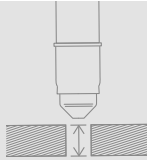
*** LC105M torch provided in the package with starter kit of consumables

- The water table makes it possible to capture the dust released during cutting.
- The residual gases which escape remain below the exposure limit values in workshop conditions of sufficient dimensions with air renewal and an average effective cutting time of 2 hours.
- Load capacity adapted to sheet format 1000x2000 or 1500x3000 mm in thickness 20 mm.
- Capacity 25 mm on half the surface.

EFFICIENCY PRODUCTIVITY PRECISION

PIERCE CAPACITY:

Tomahawk® 1538 | Flexcut® 125
20 mm | 25 mm



MAXIMUM CUT SPEED (mm/min)

(Mild steel):

Thickness	Tomahawk® 1538	Flexcut® 125
6 mm	2300	3600
12 mm	1100	1900
25 mm	300	500



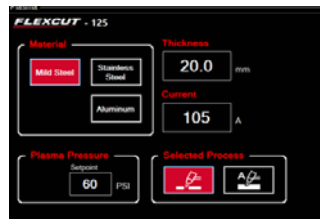
- **Excellent cutting performance:**
 - Low cutting kerf angle, very smooth cut face
 - Cutting but also plasma marking
 - Quality management, in particular to improve the straightness of bolt holes.
- **Easy to use:**
 - Only need compressed air
 - Easy and fast to adjust
- **Low operating costs:**
 - XL life of consumables
 - Fast cutting speeds
 - Virtually dross-free cuts reduces need for finishing

ACCUMOVE

ACCUMOVE motion control technology offering advanced machine control and combining all functions to simplify use. It provides increased processing power and synchronization of each component on the table. Height control, motors and computer aided manufacturing software, are all managed with a single operating system - keeping the entire communication loop under one display.

NEW VISUAL MACHINE DESIGNER (VMD)

VMD is the human-machine interface (HMI) of all ACCUMOVE® CNC controllers. Its user-friendly design and appealing layout is very easy to learn. A full set of new features has been installed directly in the controller to simplify the cutting process:



– **Process management** – all parameters are controlled from the interface depending on **the simple choice of material and thickness** simplifying the implementation of plasma cutting. Several functions increase cycle productivity and automatically compensate for consumable wear.

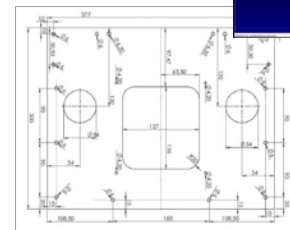
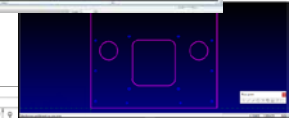
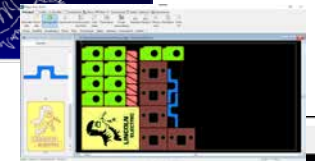
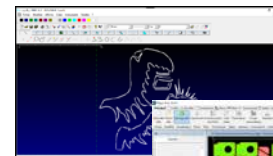
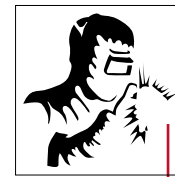
- **Plate alignment** – simplifies material loading, especially when dealing with thicker metal sheets. Regardless the orientation of the sheet, the ACCUMOVE controller adjusts the trajectory accordingly.
- **Laser positioning mode** – simplifies the use of the machine for aligning the sheets, defining the starting point or in test mode
- **36 standard shapes** – comes pre-loaded into the software, and includes a set of adjustable shapes from a basic rectangle to complex circular flanges.
- **Automatic nesting module** – load your dxf or dwg files, enter the quantity and the VMD software will generate your production schedule automatically.



DESIGN, DIGITIZE, NEST, LET YOUR CREATIVITY GUIDE YOU...

The LINC-CUT® S solution is supplied with a software package to be installed on your pc to:

- Vectorize your drawings
- Import standard formats .dxf, .dwg
- Draw pieces according to plans
- Nest and generate machine programs
- Nesting is manual or automatic



LINC-CUT® S 1020w & 1530w

YOUR TURNKEY PLASMA CUTTING MACHINE

- **REACTIVITY AND CREATIVITY**
 - Intuitive interface
 - Software package included
- **FLEXIBILITY**
 - Sheet metal format 1000x2000 or 1500x3000mm
 - Cutting capacity from 0.8 to 25mm
- **SERENITY**
 - 2 year warranty
 - Proximity service
- **SECURITY**
 - Certification according to standard EN ISO17916
 - Adapted ergonomics

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® 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 information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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