

SMARTCUT

Portable, Economical, Flexible
CNC Cutting Machine



- Compact oxy-fuel/plasma CNC cutting system that is portable and economical
- Equipped with plasma, oxy-fuel or both:
 - Plasma: cut mild steel or aluminum up to 20 mm (3/4 in.), stainless steel up to 15 mm (5/8 in.)
 - Oxy-fuel: cut mild steel up to 100 mm (4 in.)
- Fully integrated CNC, eliminating the need for the user to add a controller to the system



Portable Cutting Solution

SMARTCUT is compact and lightweight for easy transport as your application requires. It's small size makes it ideal for small fabrication shops, maintenance and repair shops, trade schools, or for portable use within large facilities and construction sites.

Economical Cutting Solution

Automated functions and a user friendly CNC provide powerful, versatile, oxy-fuel or plasma processing in a value-minded package. Precision guide rail enables stable motion of the crossbeam and full support of the cutting torch for accurate, reliable performance. Precision linear rails minimize vibration during cutting to ensure accurate cutting over the entire working envelope.

Flexible Process Solution

SMARTCUT can be equipped with plasma, oxy-fuel, or both. With plasma cut mild steel or aluminum up to 20 mm (3/4 in.), or stainless steel up to 15 mm (5/8 in.). Using oxy-fuel cut mild steel up to 100 mm (4 in.) thick. It's simple, menu-driven interface makes operation easy to learn and use. The CNC features a comprehensive library of 24 common shapes which minimize programming and set-up time. Dimensions are easily edited to create custom shapes without additional programming. Custom programs are supported through basic M- and G-Code programming, and off-line programmed NC files can be transferred to the machine using a standard USB connection.

Specifications

	SMARTCUT
Effective Cutting Width	1,550 mm (5 ft.)
Effective Cutting Length	3,100 mm (10 ft.) or 1,220 mm (4 ft.)
Maximum Traverse Speed	3,000 mm/min (120 ipm)
Overall Cross Bar Length	1,800 mm
Overall Track Length	3,500 mm
Overall Dimensions (CNC Drive Unit)	600 x 460 x 420 mm (23.6 x 18.1 x 16.5 in.)
Total Weight	96 kg (211 lbs.)
Input Voltage	220 VAC, 50 Hz



Easy to learn and operate

Plasma Packages Available

SD-Series Power Source:	40-SD	55-SD	75-SD	100-SD
Rated cutting current	40 A	55 A	75 A	100 A
Recommended cut	6 mm (1/4 in.)	10 mm (3/8 in.)	12 mm (1/2 in.)	15 mm (5/8 in.)
Maximum cut	12 mm (1/2 in.)	15 mm (5/8 in.)	20 mm (3/4 in.)	20 mm (3/4 in.)
Maximum edge start	25 mm (1 in.)	25 mm (1 in.)	30 mm (1.2 in.)	40 mm (1.6 in.)
Output at 100% duty cycle	30 A	50A	70 A	100 A
Mains supply, 50/60 Hz	208-230VAC, 1/3ph 460VAC, 1/3 ph 380-400VAC, 3ph 600VAC, 3ph			
Air requirement	189 l/min @ 5.2 bar (400 cfm @ 80 psig)			

SOLARIS Plasma Features

- The SL100® SL 1Torch® start technology eliminates electronic interference and provides strong pilot arc for quick and reliable starting
- The auto-pilot restart function enabling the SD-Series to cut expanded metal quickly and easily
- Tool-less quick torch disconnect for easy change between mechanized and manual cutting (SL100 torch with standard ACT Quick Disconnect)
- Single phase capable on 208, 230, and 460 Volt
- All units have 100% duty cycle



Maximum Plasma Cutting Thickness of up to 20 mm (3/4 in.)



Maximum Oxy-fuel Cutting Thickness of up to 100 mm (4 in.)

A name you can trust

For more than 25 years, SOLARIS Cutting Systems has been offering complete, industry-leading cutting solutions to customers around the world. As a total system supplier, support and service are always just a phone call away.



SOLARIS INFRA SUPPORT CORPORATION

Welding & Cutting Products Division

D-265, SECTOR-31, GREATER NOIDA-201310, INDIA

0120-4108108; 7303249337; 7303249338

sales@solarisinfra.com; solarisweld@gmail.com

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =