



Oxylance Sure Cut

Oxylance Sure Cut

Exothermic Cutting System

The Sure Cut System will cut virtually any metal, both ferrous and non-ferrous, and is faster than conventional oxy-acetylene cutting. Our system does not require preheating or cleaning the material before cutting. It is easy to use and is cost effective for most applications.

PHOTO

Fire / Rescue personnel using Sure Cut to cut steel beams in a collapsed structure.



SURE CUT FEATURES

No Carbon Residue - Clean cuts with no carbon to grind away.
Portable - It can be used in remote areas with the use of a 12 volt battery.
Faster - Sure Cut is as much as five times faster than oxy-acetylene cutting and up to ten times faster than Carbon Arch Gouging depending on the Thickness of material to be cut.
Easy to Use - With Sure Cut equipment, all you need is an ignition source (Welder, 12 or 24 volt battery or touch) and oxygen to operate.

REQUIRED EQUIPMENT

Sure Cut System (comes complete with hose and welding leads)
Sure Cut Rods (sold separately)
Oxygen Regulator (sold as optional equipment)
Oxygen Cylinder (not supplied by Oxylance)
Ignition Equipment (Welder, 12 or 24 volt battery or Oxy-Acetylene touch)

PROCEDURE

1. Connect oxygen to oxygen cylinder
2. Connect oxygen hose to regulator
3. Attach electrical cable to power supply. (Straight or Reverse Polarity)
4. Insert rod into Sure Cut rod holder
5. Adjust oxygen pressure to 50 to 80 psi (depending on thickness to cut)
6. Squeeze trigger on holder to check for oxygen leaks and to purge rod
7. Attach striker plate cable to power source
8. Contact striker plate with tip of Sure Cut rod and squeeze oxygen control trigger on holder to ignite rod

ROD DIAMETERS	ROD LENGT	OXYGEN FLOW
3/16" (0.187" O.D.)	18" & 36"	2 to 4 cfm
1/4" (.250 O.D.)	24", 36" & 48"	3 to 5 cfm
3/8" (.375" O.D.)	24", 36" & 48"	5 to 8 cfm

3/8" Rods available in Plain End and Quick Connect

Sure Cut Tool Box Kit pictured with no regulator. Also available in a Standard Kit with no rods in a small carrying case.



APPLICATIONS

PAPER MILLS:

Remove boiler tubes, precipitators and general maintenance
Remove frozen journals from rools and piercing frozen pins

Metal Fabrication:

Pierce starter holes in thick plate for shape cutting machines
Gouge heavy weldments

Railroad:

Removal of derailed cars in remote locations
Repair rail cars and track repair and maintenance

Construction:

Repair highway guardrails
Scrap Removal and light demolition
Removal of rivets and bolts
Cutting rebar in concrete

Demolition:

Removal of metal structures
Cut steel out of concrete
Gouge heavy steel to facilitate controlled explosion demolition

Power Plants:

Remove old boilers and boiler tubes
Demolition of precipitators

Foundries:

Remove risers, gates and fins from castings
Cut up spills for re-melt and furnace clean up

Scrap Yards:

Cut up cast iron parts
Cut all types of scrap including stainless and many non ferrous metals

Fire / Police / Military

Breaching operations
Rescue from collapsed structures

Contact us for the names of our distributors.

P. O. Box 310280
Birmingham, AL 35231

205.322.9906
800.333.9906 Toll Free
205.322.4808 Fax

www.oxylance.com
info@oxylance.com

Oxylance Incorporated

