

RAZOR CUT 80

Plasma - 80 Amp Inverter Plasma Cutter

Cuts: Steels, Stainless, Cast Iron, Brass, Copper. Aluminium

UNIMIG
RazorCut

FEATURES



30mm Cut on Mild Steel
Duty Cycle 40% @ 80Amps



Computer Numerical Control Connection



2T / 4T Trigger Control
Air Pressure Check



Over Temperature warning



Manufactured in compliance to AS/NZ60974.1

- Safe Euro torch connection
- Tolerant to variable power supply
- In-built Air Regulator with preset air pressure
- Light weight and compact
- Strong metal housing, with plastic front and rear covers

Digital Display Over Temperature Light Air Pressure Gauge



Stepless Amperage Control 2T / 4T Selector Air Pressure Check

Technical Data

Power Supply / Phases (V-Ph)	415 - 3 +/- 15%
Duty Cycle @ 40°C	40% @ 80Amps 100% @ 50.6Amps
Rated Power (KVA)	22
imax (A)	20
ieff (A)	12.6
Output Current Range (A) Plasma	20-80
Rated Output Voltage (V)	340
Insulation Class	F
Protection Class	IP21S
Plasma Arc Starting	Pilot L/F
Air Flow Pressure (MPa)	0.5 (75 psi)
Air Flow Rate l/min	189
Cutting Thickness - Clean (mm)	30
Cutting Thickness - Severance (mm)	35
Dimensions (mm)	560 x 220 x 415
Weight (Kgs)	16
Certification Approval	AS/NZS 60974-1



Overview

The RAZORCUT80 is an inverter-based Plasma cutting machine produced using the latest in IGBT technology. This machine is reliable, robust and stacked with features that you can expect from a quality Industrial Plasma Cutter. The RAZORCUT80 produces a high temperature plasma stream providing effortless cutting of all electrically conductive materials including steel, cast Iron, stainless steel, copper, aluminium brass etc. The RAZORCUT80 is equipped with a high quality SureGrip SC80 Plasma torch with Euro connection, developed specifically to enhance and improve the cut quality of the RAZORCUT80 machine. Connection of the SC80 Plasma torch provides effortless starting of the cut with powerful, fast and accurate cutting capability, additional is the benefit of longer life cycle consumable electrodes and cutting tips. The RAZORCUT80 is an exceptional machine that is suitable for a wide range of applications including Industrial use, sheet metal fabrication, site work, automotive, ducting work, repair and maintenance services. The RAZORCUT80 gives you the best of both worlds great portability, with the power to get the job done. Built to our specification and manufactured in compliance to AS/NZS 60974-1

Product Code: KUPJRRW80

Standard Package includes: RAZORCUT80 Machine, SC80 x 6m Plasma Torch, Earth Lead 4m, gas connection fitting



WARRANTY

(Power Source)

RAZOR CUT 80

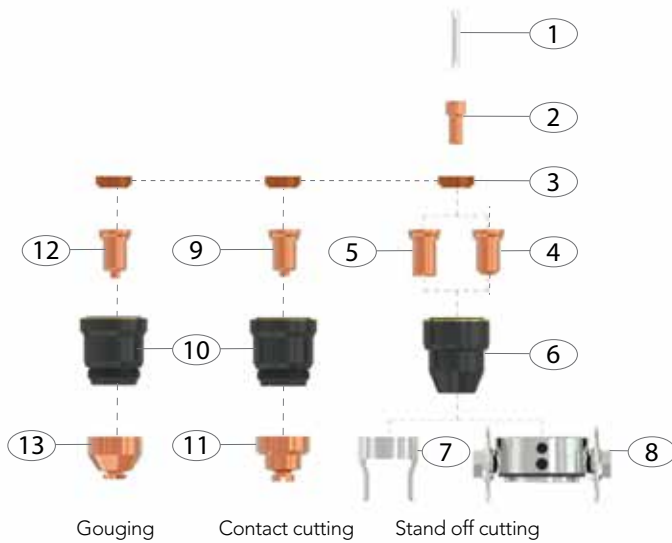
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Torch Spare Parts - Machine Options & Accessories



SC80 PLASMA TORCH AIR COOLED

Rating: 80A Air/N₂ Gas, @ 60% duty cycle.



Wear Spare Parts

No	Part No.	Description
1	SC8002	Cooling Tube
2	SC8004	Electrode
3	SC8006	Swirl Ring
5	SC8020-09	Cutting Tip 0.9mm
4	SC8020-10	Cutting Tip 1.0mm 40-50A
	SC8020-13	Cutting Tip 1.3mm 70-80A
6	SC8030	Retaining Cup
7	SC8040	Stand Off Guide
8	SC8051	Cuting Buggy
9	SC8026-10	Cutting Tip Contact 1.0mm
	SC8026-11	Cutting Tip Contact 1.1mm
	SC8026-12	Cutting Tip Contact 1.2mm
	SC8026-13	Cutting Tip Contact 1.3mm
10	SC8031	Shield Cap Body
11	SC8041	Shield Cap
12	SC8028-16	Gouging Tip 1.6mm
13	SC8043	Shield Cap Gouging

Torch Model

Description

Part Number
6 Mt

Surecut™ Plasma Cutting Torch Package

WG-SC80-60-CC1

Machine Options

Circle Cutting Kit

SC8050
Circle Cutting Kit Option



Air Filter Cartridge

50505-48
Sub-Micronic Cartridge Option
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Air Filter

50500-12
Sub-Micronic Air Filter Option
Page reference: 93



Welding Goggles

UMAWG
Automatic Welding Goggles Option
Page reference: 137



CNC Torch

SCM80R
CNC Plasma Torch Option
Page reference: 222

