

# RAZORWELD ARC 630 FEATURES

**RAZORWELD**  
ARC630

Welds: Steels, Stainless, Cast Iron, Bronze, Copper

## RAZORWELD ARC630

230V 3-Phase 630 Amp DC Welder MMA/CAG/TIG  
Selectable VRD - Stick Electrode, Lift Arc DC TIG

**3 YEAR**  
MACHINE  
WARRANTY

### Features

- New MCU control system
- MMA (stick electrode)
  - Selectable On/Off VRD (Voltage Reduction Device)
  - Hot start (improves electrode starting)
  - Arc Force (boosts current to prevent electrode extinguishing)
  - Excellent arc stability with all electrodes
- DC-TIG
  - Lift Arc ignition (prevents tungsten sticking during arc ignition)
  - Ultra smooth DC-TIG welding current
- Arc Air Gouging Mode with High OCV
- Thermal overload protection
- Generator compatible
- Tolerant to variable power supply



XA-ARC630RZ-K  
Standard Package



Optional machine accessories available - [www.xcelarc.nz](http://www.xcelarc.nz)

### Technical Data

Power Supply	415V 3-Phase $\pm 10\%$
I <sub>eff</sub> MMA	31.0 Amps
TIG	31.6 Amps
I Max MMA	62.0 Amps
TIG	50.0 Amps
Welding Current Range	20 ~ 630 Amps
No Load Voltage (OCV)	90V
Duty Cycle @ 40°C as per AS/NZ60974-1	25% @ 630A MMA 100% @ 315A MMA 40% @ 630A TIG 100% @ 400A TIG
Power Factor	0.7
Efficiency	$\geq 80$
Electrode Diameter	$\phi 1.6 \sim \phi 6.0$
Protection Class	IP21S
Insulation Class	H
Cooling	AF
Dimensions (LxWxH)	550 x 240 x 445mm
Weight	33.5kg
Certification Approval	AS/NZ60974-1

### Overview

The **RazorWeld ARC630** is a superior quality inverter welding machine from Xcel-Arc. Its primary function is DC-MMA (Stick) welding, and it also offers DC-TIG capabilities with Lift-Arc Ignition. This advanced welding machine utilizes the latest generation MCU control system, resulting in exceptional arc characteristics and high reliability. Moreover, it is sturdy and portable. The DC-MMA welding function produces a smooth and stable arc, enabling high-quality welds for a variety of materials, including cast iron, stainless steel, and low hydrogen. Additionally, the inclusion of Hot-Start and Arc Force, combined with Selectable VRD, makes it perfect for on-site work, making it an excellent choice for professionals and contractors alike. The **Carbon Arc Gouging** feature is a new addition to the machine, making it perfect for weld removal, crack removal, back gouging, and weld defect repairs for carbon steels, alloy steels, stainless steels, and non-ferrous materials. The machine's optional XA26V Tig Torch provides high level DC-TIG welding of steel, stainless steel, bronze, and copper. The Lift-Arc TIG function is exceptional and delivers perfect arc ignition every time without any sticking or inclusion of the tungsten electrode to the workpiece. It produces high-quality TIG welds with remarkable smoothness and stability.

The ARC630RZ is a highly versatile machine suitable for a wide range of applications, including medium to heavy industrial use, site welding, farming, and general repair and maintenance work. Its compact design offers great portability without sacrificing power. Furthermore, it is built to specifications and complies with AS/NZ60974-1 manufacturing standards. Overall, the RazorWeld ARC630RZ is a remarkable machine that offers superior performance, reliability, and portability for all welding needs.

### Product Code: XA-ARC630RZ-K

Standard Package includes: ARC630RZ Machine and Manual

Earth Lead & Arc Lead are optional