

# Machine Features



## HD Backlit Interface

Experience a new level of convenience with our next-generation interface panel. With its vibrant and easy-to-read display, you'll be able to effortlessly navigate and customise your welding settings in any lighting condition.

## Synergic MIG Control

Say goodbye to complicated and time-consuming setup with our innovative Synergic MIG control. This cutting-edge technology automatically adjusts your welding settings based on your wire type, gas, wire size, and material thickness, ensuring precise and efficient results every time.

## Digital Control MIG Torch

The ultimate solution for welders seeking unprecedented control and precision in their work. No more hassle of constantly adjusting your settings on a separate control panel. With our leading technology, you can easily fine-tune your amps, wire speed, and voltage right on the MIG torch itself.

## Spool Gun Ready

You have the option of attaching a Spool Gun to run softer core wires such as aluminium MIG wire. You don't even need to change the setup of your existing torch or drive roller.

## Gas & Gasless MIG

Our welding machine supports both gas-shielded and gasless MIG wire, allowing you to tackle a wide variety of welding projects with ease. Whether you're working with mild steel, stainless steel, aluminium, or flux-cored wire, our machines have got you covered.

## Geared Wire Drive

Experience smooth and consistent wire feed with our advanced geared roller drive unit. This feature ensures that your wire is fed consistently and accurately, even when using longer MIG torches.

## Multi-Process Welding

Get the job done quickly and efficiently with our versatile three-in-one welding machine. With the ability to perform MIG, TIG, and STICK welding all in one unit, you can save valuable time and effort without sacrificing quality.

## Foot Control Ready

Enjoy greater control and precision with our optional foot control accessory. This handy feature allows you to easily adjust your TIG amperage on the fly, without interrupting your torch movement.

## Trigger Controlled DC Lift Arc TIG

With Trigger Controlled DC Lift Arc ignition, starting your welding projects has never been easier. Our Lift Arc TIG technology ensures that your tungsten tip won't stick to the work piece, preventing costly tip breakages.

## Smart Fan

Our advanced Smart Fan technology reduces noise, saves power, and minimises contaminants, making it the perfect choice for any welding environment.

## Advanced MMA Features

The RAZORWELD MIG 220 features adjustable Arc Force and Hot Start functionality. These features are designed for improving weld quality and ease of use.

## Optional Remote Control

Upgrade your machine with a handy remote control. Both a wired and wireless controller are available.

## Generator Compatible

Minimum 12 kVA recommended.

# Machine Specifications

## RAZORWELD MIG 220

### Technical Data

Parameter	Values
SKU	XA-RZMIG220
Primary Input Voltage	240V Single Phase
Supply Plug	15 AMP
I <sub>eff</sub> (A)	14.7
Rated Output	30A/15.5V - 220A/25V
No Load Voltage (V)	60
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	12.0
Dinse Connector	35/50
Standard	AS/NZ60974-1
Warranty (Years)	5

### MIG Specifications

MIG Welding Current Range	30-220A
MIG Duty Cycle @ 40°C	15% @ 220A 60% @ 110A 100% @ 85A
MIG Welding Thickness Range	1-10mm

### TIG Specifications

TIG Function Type	DC Lift Arc
TIG Welding Current Range	5-220A
TIG Duty Cycle @ 40°C	15% @ 220A 60% @ 110A 100% @ 85A
TIG Welding Thickness Range	1-8mm

### STICK Specifications

STICK Welding Current Range	20-180A
STICK Duty Cycle @ 40°C	15% @ 180A 60% @ 90A 100% @ 70A
STICK Welding Thickness Range	2-12mm

### Size & Weight

Dimensions (mm)	560×220×400
Weight (kg)	15.1

## Capable Welding Material Types By Welding Process

**MIG:** Mild Steel, Stainless Steel, Aluminium, Silicon Bronze

**TIG:** Mild Steel, Stainless Steel, Copper, Silicon Bronze

**MMA:** Mild Steel, Stainless Steel, Cast Iron

### RECOMMENDED TIG TORCH KIT\*



**XATK7- TIG TORCH PACKAGE without regulator**  
XA26 x 4m TIG Torch EURO Connector,  
Spares Kit: 10N31 Collet Body 1.6mm, 10N32 Collet Body 2.4mm  
10N23 Collet 1.6mm, 10N24 Collet 2.4mm  
10N49 Nozzle #5 Ø8mm, 10N48 Nozzle #6 Ø9.5mm  
Thoriated Tungsten 1.6mm & 2.4mm, Parts Box

\*Not Included