

Orbimax

AX Series Industrial MMA / Stick Welders



SMART + SIMPLE

Introducing the Orbimax AX Series of industrial-grade MMA / Stick Welders. Designed for the welder, by the welder.

Orbimax Industrial MMA / Stick Welders are Smart + Simple, designed with the future of welding in mind but with simplicity at the core.

German made and refined for the Australian welding industry.

AX Series At A Glance...

SMART + SIMPLE

FROM THE WORKSHOP TO THE WORKSITE, INTRODUCING THE NEW STANDARD IN ELECTRODE WELDING TECHNOLOGY.

AX Series Stick Welders embrace simple functionality through to fully digital technology for an extended range of functions ensuring outstanding performance.

The AX Series provides energy-efficient welding with the ultra-fast, low-induction inverter. The AX range comes in impact-resistant housing and display as well as an impact-resistant R-Pilot control button, coupled with high performance cooling with a closed cooling channel.

GERMAN MADE QUALITY

MAXIMUM CONTROL AND QUALITY TO ACHIEVE THE PERFECT WELD.

With industry-leading features backed by quality German made components the Orbimax AX Series TIG Welders are Smart + Simple. Putting you in control while giving you the flexibility to perfect your weld.

SMART + SIMPLE

FAST, EASY AND SIMPLE TO CONTROL

Get to work faster with simple, easy to understand and navigate controls.



AUTO SMART PROGRAMMING

STORE, LOAD AND SAVE

Smart programming within the AX Series lets you choose a preset or override settings unique to your welding task. With the click of a button you can save specific weld settings and load existing configurations.

*AX 230 models only.

INTUITIVE INTERFACE

SIMPLIFIED OPERATION

The Orbimax digital control panel allows for simplified operation while being supported by an industry-leading operating system, allowing for complete weld customisation. It also features an easy to use 'menu', 'home', and 'back' button, allowing easier navigation for the user.

- Clearly view weld settings
- Simple user experience
- Rapidly adjust settings

ROTARY DIAL

QUICK SELECT

Durable dial selection allows for quick program selection and adjustments to your welding presets.

- Suitable for gloved hands when working
- Rugged and dependable

LIGHTWEIGHT

FROM 2.3KG

With leading German made inverters the AX Series sets a new benchmark in mobile welders. Weighing in at 2.3kg with an incredible 150 amps (AX-150) (6.7kg | AX-230). The incredible power to weight ratio truly sets a new standard.



AX Series Overview

From the workshop to the worksite, the Orbimax industrial-grade stick welders are designed for welders, by welders.

Built tough to withstand the harshest environments and combined with quality German made components, the AX Series gives you the best of both practicality and technology.

EDGE

Our intermediate MMA welders give you the edge. Smart + Simple Edge series welders are equipped with everything the professional welder requires. Optimised for increased functionality, mobility and key features to perfect your weld.

SMART

Our top of the range Smart industrial grade MMA welders set you up for the future of welding. Fully featured with Auto Smart Programming and an intuitive, yet simple interface, the Orbimax Smart range is designed for professional use - designed for welders, by welders.



Highlights

Put yourself in control and create the perfect weld. The AX Series lets you choose a preset or override settings unique to your welding task. Choose from pre-programmed welds or create your own, save the function for future jobs and easily load your saved programs.*

SMART + SIMPLE

Orbimax Industrial MMA Welders are Smart + Simple, designed with the future of welding in mind but with simplicity the core.

LIGHTWEIGHT, PRECISE AND RUGGED

Starting at only 2.3KG, the AX Series of welders are lightweight, portable and designed with the workshop and construction site in mind.

INTUITIVE INTERFACE

The intuitive user interface allows the user to easily and quickly edit and create weld settings. The digital display and easy to understand graphics enables the user to refine their welds to perfection.

Key Features

The AX Series MMA / Stick (DC) welding range come with industry-leading specifications and reliability. Backed by quality German made components and a three year limited warranty, giving you the confidence to get on with the job ahead, knowing your welder is up to the task.

ARC IGNITION



INTEGRATED ANTI-STICK

IAS prevents sticking on the workpiece creating less weld defects and a better overall finish.



AUTOMATIC ARC FORCE

AAF is designed to stabilises the arc - even with an extreme short arc giving you the perfect weld.**



LIFT ARC IGNITION*

Helps to minimise tungsten inclusions when TIG welding, simply touch the workpiece and lift off to start the arc.



AUTOMATIC HOT START

Facilitates safe ignition through short-term current increase.**



SOFT START*

Soft Start creates a stable arc for electrodes with a low welding current.



ELECTRODE PULSE WELDING*

EPW enables vertical-up welds without the slow and laborious "Christmas tree" pattern. By controlling the arc to aid welding of thinner materials.



TIME PULSE & HYPER PULSE

Time pulse is ideal for root welds with excellent gap bridging while Hyper Pulse provides a higher welding speed with concentrated heat input for a narrow, even seam.



INTELLIGENT AUTOMATIC IGNITION (IAI*)

Ideal for thin materials, IAI lets you select the arc ignition force ensuring you protect your work piece and create a perfect weld.

SAFETY



VOLTAGE REDUCTION DEVICE (VRD)

Use less power while welding faster with smart voltage reduction safety device. The VRD ensures input current out of range protection in the event of a spike in voltage.

EFFICIENCY



ENERGY EFFICIENT

Energy cost saving IMS inverter technology. Bi-Power inverter for maximum efficiency.

DUTY & DURABILITY



IMPACT RESISTANT, LIGHTWEIGHT AND RUGGED DESIGN

Starting at only 2.3KG, the AX Series of welders are lightweight, portable and designed with the workshop and construction site in mind. Leading the market with its unique high impact resistant outer casing, the AX machines are well protected from drops and falls.



DUTY CYCLE

Best in class industry-leading duty cycle of 100% @ 100A (AX-150) and 100% @ 140A (AX-230)

*AX-230 models only.

**Automatic Arc Force and Hot Start is fully adjustable on AX-230 models only.

AX-150

The Orbimax AX-150 DC constant current welding machines give you more performance with less weight, producing an incredible output of 150 amp currents. Thanks to the Intelligent Automatic Ignition system, Integrated Anti-Stick and Automatic Arc Force, you not only produce better welds but are always safe in the process. At only 2.3kg, these units are highly portable, and rugged for use on construction sites.



ax150

	AX-150 EDGE
PROCESS	TIG + MMA
WELDING CURRENT	DC
WELDING RANGE	5-150A
POWER	230 V - 50/60HZ
DUTY CYCLE	100% @ 100A 20% @ 150A
WEIGHT	2.3KG
PROTECTION TYPE	IP 23S
WELDING CABLE SOCKET	9MM (SMALL DINSE)
INTELLIGENT AUTOMATIC IGNITION	✓
INTEGRATED ANTI-STICK	✓
AUTOMATIC ARC FORCE	✓
LIFT ARC IGNITION	✗
HOT START	✗
SOFT START	✗
ELECTRODE PULSE WELDING	✗
TIME PULSE & HYPER PULSE	✗
DIGITAL CONTROL PANEL	✗
INDUSTRY 4.0 READY (SIRIUS)	✗
POWER FACTOR CONTROL (PFC)	✗
FUSE	16A
FUSE HOLD FUNCTION	✗
DIMENSIONS (L X W X H) (MM)	275 X 120 X 185

AX-230

The Orbimax AX-230 DC constant current welding machines are a leader in their field thanks to the fully digital technology and wide range of functions. Ideal for general fabrication through to advanced construction or industrial plant and pipeline projects, repair and maintenance is made easy in the powerful, yet lightweight and portable design.



ax230

	AX-230 SMART
PROCESS	TIG + MMA
WELDING CURRENT	DC
WELDING RANGE TIG MMA	4-230A
POWER	230V - 50/60HZ
DUTY CYCLE	100% @ 140A 40% @ 230A
WEIGHT	6.7KG
PROTECTION TYPE	IP 23S
WELDING CABLE SOCKET	13MM (LARGE DINSE)
INTELLIGENT AUTOMATIC IGNITION	✓
INTEGRATED ANTI-STICK (FULLY ADJUSTABLE)	✓
AUTOMATIC ARC FORCE (FULLY ADJUSTABLE)	✓
LIFT ARC IGNITION	✓
HOT START (FULLY ADJUSTABLE)	✓
SOFT START	✓
ELECTRODE PULSE WELDING	✓
TIME PULSE & HYPER PULSE	✓
DIGITAL CONTROL PANEL	✓
INDUSTRY 4.0 READY (SIRIUS)	✓
POWER FACTOR CONTROL (PFC)	✓
FUSE	16A
FUSE HOLD FUNCTION	✓
DIMENSIONS (L X W X H)	480 X 160 X 320MM

Orbimax

SMART + SIMPLE

Orbimax Australia
501 - 503 Dowling Street
Ballarat, VIC, Australia

T 1800 672 000
E sales@orbimax.com.au
W orbimax.com.au