

Orbimax

MXi Series Industrial Pulse MIG/MAG Welders



MXi

SMART + SIMPLE

Introducing the Orbimax MXi Series of industrial-grade Pulse MIG/MAG Welders. Designed for the welder, by the welder.

Orbimax Industrial MIG 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.

MXi Series At A Glance...

SMART + SIMPLE

FROM LARGE CONTRACTS TO DELIVERING PRECISE WELD REPORTS, THE ORBIMAX MXI INDUSTRIAL GRADE MIG WELDERS ARE DESIGNED FOR SERIOUS FABRICATION WORKSHOPS WHERE QUALITY, EFFICIENCY AND PRODUCTIVITY ARE PARAMOUNT.

MXi Series MIG Welders put the welder in control, improving weld quality while reducing spatter, fumes and the need for rework. All saving you time and money.

FOCUS ARC WELDING PROCESS

Weld up to 30% faster with a short, powerful regulated arc improving weld quality, reducing spatter, fumes, and the need for rework. Increasing performance and providing better health protection, Focus Arc can be activated with the touch of a button, giving you superior visibility, control and less faults.

*Available on MXi Smart Model only.

GERMAN MADE QUALITY

MAXIMUM CONTROL AND QUALITY TO ACHIEVE THE PERFECT WELD.

Built tough with industry-leading features backed by quality German made components. The Orbimax MXi Series MIG Welders are Smart + Simple, putting you in control while giving you the flexibility to perfect your weld.



STORE, LOAD & SAVE

With over 60 welding parameters pre-loaded into the MXi Series, you can quickly load existing weld presets or customise and store your own weld settings with ease.

Save up to 500 different weld settings ready to recall your favorite welding procedure quickly.

INDUSTRY 4.0 READY

The built-in digital display and Sirius operating system shows everything at a glance.

Welding parameters can be optimised with ease with the Android-style user interface.

Sirius is also Industry 4.0 ready, meaning the interface architecture can be configured and expanded for easy integration into CAD and ERP systems.

FASTER, HEALTHIER & FLEXIBLE

Weld up to 30% faster, reduce fumes by up to 70% and set yourself up for success with a smart but simple to use, Industry 4.0 ready welding machine.

POWER PULSE

Power Pulse allows for fast, efficient welding of steel, stainless steel and aluminium with very little heat effect thanks to adjustable heat input.



MXi Series Overview

MXi Series MIG Welders put the welder in control, improving weld quality while reducing spatter, fumes and the need for rework. All saving you time and money.

EDGE

Our intermediate Pulse MIG welders give you the edge. The Smart and 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 Pulse MIG Welders set you up for the future of welding. Fully equipped with every welding process including Focus Arc and Focus Root, this machine will take you to the pinnacle of welding. The Orbimax Smart range is designed for professional use – designed by welders, for welders.



Highlights

The Orbimax MXi Series of MIG welding machines offers the best of the MX Series, stepping up to exclusive welding processes such as Focus Arc, Power Pulse, Focus Root and Sirius Operating System. Giving you faster welds, less fumes and reduced spatter, all in easy to use digital control panel.

SMART + SIMPLE

Orbimax Industrial MIG welders are Smart + Simple, designed with the future of welding in mind, but with simplicity at the core.

DIGITAL CONTROL

Fully digital control enables the welder to have better oversight of the welding parameters and processes, letting you refine welds to perfection.

Key Features

The Orbimax MIG welding range come with industry-leading specs to give you a competitive advantage. Built tough for the Australian market with high quality German made components, giving you the confidence to get on with the job ahead, knowing your equipment is up to the task.



FOCUS ARC

Increase productivity with higher deposition rates. Weld with a short powerful arc, improving quality, visibility, less faults and improved arc control*.



(SMC)

Provides intelligent control of the welding machine leading to excellent welding results and improved efficiency.



POWER PULSE

Power Pulse is ideal for welding steel, stainless steel and aluminium at a faster rate - giving you a TIG like seam surface while reducing temper colour.



MAINS VOLTAGE COMPENSATION

The Orbimax MXi Range automatically detects fluctuations in the mains voltage and adjusts the wire feeder automatically according to the mains voltage.



FOCUS ROOT

Focus Root provides a spatter-free welding process ideal for thin sheet and root welds. Perfect for bridging gaps faster with less spatter*.



DUTY CYCLE

Best in class industry-leading duty cycle of 100% @ 280A (MXI-P 300) and 100% @ 400A (MXI-P 450)



SIRIUS OPERATING SYSTEM

Digital integration with display that shows everything at a glance, relevant parameters are always in the foreground, easily recognised from a distance by the operator. Provides easy integration into CAD and ERP systems.



WATER COOLED OPTION

Choose from water cooled or gas cooled options across the range.



STEPLESS DYNAMIC INDUCTANCE (SDI)

SDI allows for fine-tuning of the arc ideal for welding thin materials.



POWER FACTOR CONTROLLER (PFC)

PFC corrects phase shifting as well as peaks in the current. This ensures current consumption is regulated according to the voltage at each moment, resulting in reduced power consumption.



PENETRATION STABILISER

Detects changes and automatically corrects arc power, resulting in a uniform penetration when welding out of position.



CONTINUOUSLY ADJUSTABLE

Continuously adjustable for perfect MIG/MAG welding results.



SMART MACHINE CONTROL



MORE USER FRIENDLY

Simplified operation of processes, with easy-to-use navigation.

*Available on MXi Smart Model only.

Setting the standard in modern MIG welding

WELD FASTER WITH BETTER QUALITY

The MXi Series Industrial MIG welders introduce exclusive Focus Arc* technology letting you weld up to 30% faster with a short, powerful regulated arc, improving weld quality and reducing spatter, fumes, and the need for rework.

When combined with Stepless Dynamic Inductance you have precise control of the arc length which not only measures the arc voltage and welding current, but also digitally monitors the wire feed speed, all meaning you can weld faster with better quality.

*Available on MXi Smart Model only.

REDUCE REWORK

With controlled heat input, improved visibility and more control of the welding arc, less faults occur which means less rework.

SAFER WORKING ENVIRONMENT

Create a safer working environment with up to 70% reduction in toxic welding fumes.

- 1 Main menu button
- 2 Return home button
- 3 Go back / return button
- 4 Quick selection buttons
- 5 R-pilot quick toggle button



- Impact resistant full colour digital display panel.
- User friendly interface designed for quick and efficient navigation similar to an android-style device.
- Dynamic display showing real-time weld presets and settings.
- Synergic functionality, allowing for improved welding quality.

MXI 300 | 350 | 400 | 450

From the workshop to the worksite, the Orbimax Industrial Grade MIG welders are designed for welders, by welders. Combined with a rugged design built for the workshop and quality German made components, the MXi Series gives you the best of both practicality and technology.



	MXI-P 300	MXI-P 350	MXI-P 400	MXI-P 450
PROCESS	MIG + MAG			
WELDING CURRENT	DC			
WELDING RANGE	20-310 A	20-360 A	20-410 A	20-460A
POWER	415V 3PH			
DUTY CYCLE	100% @ 280 A	100% @ 320 A	100% @ 370 A	100% @ 400 A
SEPARATE WIRE FEED	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
PROTECTION TYPE	IP 23	IP 23	IP 23	IP 23
FOCUS ROOT	✓	✓	✓	✓
FOCUS PULSE	✓	✓	✓	✓
FOCUS ARC	✓	✓	✓	✓
POWER PULSE	✓	✓	✓	✓
POWER ARC	✓	✓	✓	✓
DOUBLE PULSE	✓	✓	✓	✓
DIGITAL CONTROL PANEL	✓	✓	✓	✓
WELDING CABLE SOCKET	13MM	13MM	13MM	13MM
SPOT WELD & INTERVAL WELD FUNCTION	✓	✓	✓	✓
SIRIUS	✓	✓	✓	✓
REAL TIME SPEED CONTROL	✓	✓	✓	✓
PENETRATION STABILISER	✓	✓	✓	✓
TORCH COOLING	GAS / WATER		WATER	
FUSE	32A			
DIMENSIONS (L X W X H) COMPACT (GAS COOLED) COMPACT (WATER COOLED) WITH WIRE FEED UNIT	650 X 330 X 624MM 650 X 330 X 820MM 650 X 330 X 1100MM			

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