

Orbimax

TXi Series Industrial TIG Welders



SMART + SIMPLE

Introducing the Orbimax TXi Series of industrial-grade TIG Welders. Designed for the welder, by the welder.

Orbimax Industrial TIG 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.

TXi Series At A Glance...

SMART + SIMPLE

MAINTAIN PROFIT MARGINS, IMPROVE EFFICIENCY AND ENSURE THE COMPLIANCE OF YOUR WELDS.

The Orbimax TXi range set is the benchmark for modern TIG welding with increased performance, higher productivity and safety in mind.

The Orbimax TXi industrial-grade welders are designed for professionals and workshops who strive for efficiency and precision in welding, providing high weld seam quality and strong duration of use in an energy efficient design.

Available in AC/DC configuration, the TXi Series of smart and simple machines feature an easily configurable digital interface and built-in pre-sets for welding parameters. Meaning you can start welding with the touch of a button.

A bi-power inverter and an efficient 100% duty cycle gives you a high power, low weight TIG welding machine with improved welding properties. Available in 240A, 280A or 350A options, get higher productivity, faster welding processes and uniform quality.

GERMAN MADE QUALITY

MAXIMUM CONTROL AND QUALITY TO ACHIEVE THE PERFECT WELD.

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



AUTO SMART PROGRAMMING

STORE, LOAD AND SAVE

Smart programming within the TXi Series lets you choose a preset or override settings unique to your welding task. With the click of a button you can save up to 1000 specific weld settings and load existing configurations.

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.

- 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

INDUSTRY TOUGH RUGGED DESIGN

HARSH INDUSTRIAL ENVIRONMENT

When working in harsh environments the rugged design of the Orbimax TXi Series will stand up to the severest punishment, protecting electronics and letting you get on with the job.

WATER COOLED

SMART + SIMPLE

Smart and simple water cooled units for better weld results. A cooler running TIG torch provides greater comfort and longer torch and consumable life. Duty Cycle: 100% @ 240A (TXi 240) and 100% @ 280A (TXi 280)



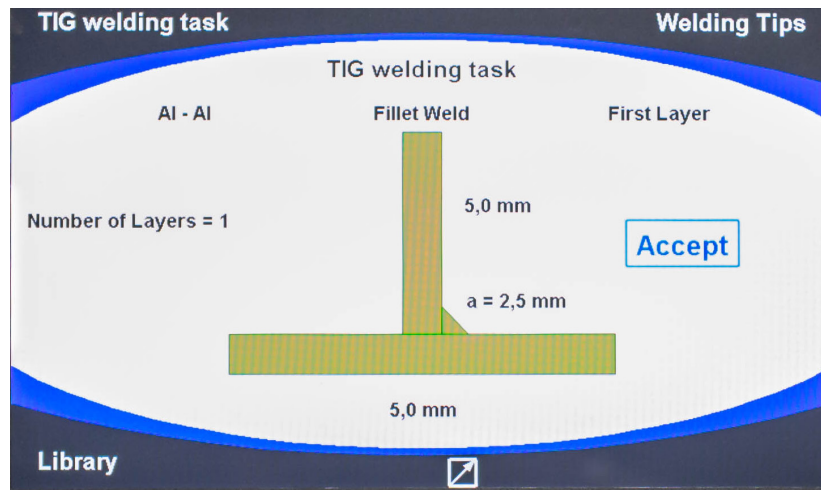
TXi Series Overview

Set your business up for success with increased performance, higher productivity and safety in mind. The TXi Series are easy to configure but feature highly advanced weld presets to achieve the perfect weld each and everytime.

Orbimax are committed to building the future of welding by connecting the Smart + Simple for real-world welding applications.

SMART

Our top of the range Smart industrial grade MMA welders sets 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.



Key Features

The TXi Series are a TIG + MMA (DC or ACDC) machine with industry-leading specifications and capabilities – setting the benchmark for TIG welding. Backed by high quality German made components and a three-year limited warranty, these machines give you the confidence to get on with the job ahead, knowing your welder is ready for any task.

SYSTEM FEATURES

SIRIUS

Industry 4.0 ready - Sirius devices are connected for communication and simplify the operation of complex welding tasks by visually displaying and guiding a user through the setup process.



I-SYSTEM PLUG & PLAY

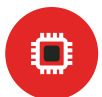
Just plug it and and play. The TXi series are designed with the future in mind. With an in-built networked multi-processor you can expand on your current welding procedures with intelligent expansion modules.

POWER SETTINGS



BI-POWER INVERTER

A bi-power inverter and a efficient 100% duty cycle gives you a high power, low weight TIG welding machine with improved welding properties.



POWER FACTOR CONTROLLER (PFC)

PFC ensures compliance with the highest energy efficient regulations including EU2019/1784. Through very fast measurements, PFC machines sense the voltage and current consumption according to voltage at each moment.

ARC IGNITION



HIGH FREQUENCY (HF) START

Avoid tungsten contamination and achieve a more hygienic weld. HF Start uses touchless ignition, which is created by high-voltage pulses between your work surface and the torch making for faster, smoother welds from ignition.

PULSE SETTINGS



PULSE

Conventional pulsing offers pulse times greater than 0.1 seconds.



HIGH SPEED PULSE

Weld faster while achieving the perfect weld with High Speed Pulse. Excellent for welding on thin wall materials.



HYPER PULSE

Hyper Pulse creates a narrow weld pool which solidifies faster, allowing for materials 0.1 mm and above to be welded fast and efficiently. The Hyper Pulse feature also reduces noise, adding to the long-term safety of staff.

SPOT WELDING



COLD TACKING

Save time tacking and avoid excessive heat input and discolouration with Smart Spot tacking. Cold tacking minimises heat by creating a quick weld pool.

SMART PROGRAMMING



SMART PROGRAM

Utilise existing weld presets or create your own programs with the ability to store 1000 presets, saving you time and allowing you to switch between welds quickly.

*Smart models only

ASSIST FEATURES



SMART DUAL WAVE

For the welding of aluminium and brass, the Orbimax Smart Dual Wave feature alternates between AC and DC while removing the oxide layer which calms the weld pool, resulting in reduced pore formation and significant quality improvements. (ACDC machines only).



SMART AUTO ASSIST

Weld Smarter with practical welding tips and user-friendly interface allowing you to select the base material and shape of the weld.

DUTY & DURABILITY



DUTY CYCLE

Best in class industry-leading duty cycle of 100% @ 440A (TXi 240) and 100% @ 280A (TXi 280) and 100% @ 350A (TXi 350)

The benchmark for modern TIG welding

WELD FASTER WITH BETTER QUALITY

Exclusive systems such as Focus Root and Cold Tacking give you better weld seam quality and longer welding duration, all allowing you to weld faster. When combined with an innovative bi-power inverter with digital process control for improved welding properties, you not only use less energy but weld faster in the process.

INCREASE PRODUCTIVITY

Orbimax smart and simple welding machines are easy to use and designed with productivity in mind. Just plug it in and use for a multitude of applications quickly and efficiently - increasing your productivity.

SUITABLE FOR USE WITH GENERATORS

More flexibility for portable use such as on construction sites.

- 1 Quick choice program buttons.
- 2 R-Pilot quick selection. Suitable when wearing gloves.
- 3 Multifunctional selection buttons. Choose TIG Interval, 2-Step HF, DC Negative and Pulsing.



- 4 Select Classic application.
- 5 Select System application.
- 6 Select Program Manager application button.
- 7 Select Assist application.
- 8 High resolution digital control panel.

TXI-240 | 280 | 350

The TXi 280 ACDC is an industrial grade TIG + MMA welder with industry leading welding capabilities, features and reliability. Backed by high quality German made components and a three- year limited warranty, giving you the confidence to get on with the job ahead.



	TXi-240 SMART	TXi-280 SMART	TXi-350 SMART
PROCESS	TIG + MMA	TIG + MMA	TIG + MMA
AC/DC	DC OR ACDC	DC OR ACDC	DC OR ACDC
WELDING RANGE TIG MMA	3-240A	3-280A	3-350A
POWER	3 X 400V - 50 HZ		
DUTY CYCLE	100% @240A 40% @	100% @ 280A 40% @	100% @ 350A 40% @
PROTECTION TYPE	IP 23		
WEIGHT	76KG		81KG
DIGITAL CONTROL PANEL	✓	✓	✓
SMART SPOT	✓	✓	✓
PULSE	✓	✓	✓
HIGH SPEED PULSE	✓	✓	✓
HYPER PULSE	✓	✓	✓
HIGH FREQUENCY START	✓	✓	✓
SMART DUAL WAVE	✓	✓	✓
SMART AUTO ASSIST	✓	✓	✓
SIRIUS	✓	✓	✓
I-SYSTEM PLUG AND PLAY	✓	✓	✓
BI-POWER INVERTER	✓	✓	✓
POWER FACTOR CONTROLLER (PFC)	✓	✓	✓
SMART PROGRAM	✓ 1000 PROGRAMS		
WATER COOLED (W)	✓	✓	✓
FUSE	16A	16A	16A
DIMENSIONS (L X W X H)	855 X 600 X 900MM		

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