

**EVOLVE 1000**  
ADVANCE CONTROL BY KTIG



# Introducing Incredible Results. Simple, Intuitive, and Flexible Control.

Repeatability, conformity and productivity increase your profitability.

With a robust yet sleek design, the K-TIG Controller monitors, automates and reports on all aspects of your welding operations.

Capable of reducing complex weld procedures involving multiple plant automation sequences to single push-button operations, the K-TIG Controller consistency delivers

repeatability, conformity and productivity.

Boasting an uncluttered, uncomplicated interface designed with operator usability in mind, the K-TIG Controller delivers incredible results and flexibility through the simplest of controls.



# Communications

Cutting-edge connectivity for maximum up-time.

K-TIG's expert support team provides a diverse range of communications options including:



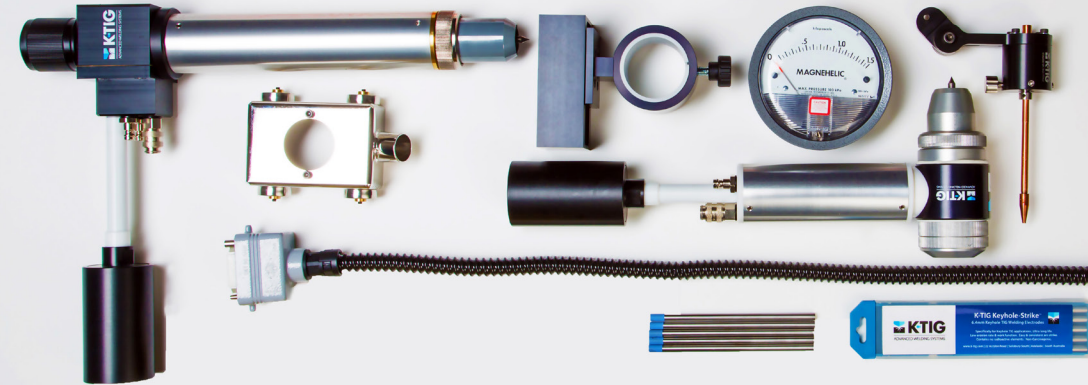
**FLEXIBLE REMOTE  
DATA COLLECTION**



**WELDING REPORT  
UPLOAD**



**ULTIMATE PEACE  
OF MIND**



Designed with innovation in mind, the K-TIG Controller - Evolve is Internet of Things ready to ensure maximum up-time and the most efficient and connected fabrication environment possible.

Using the Controller, you can connect to K-TIG's expert support team with just the touch of a button. K-TIG's support engineers can review your system, work with you to resolve any issues and ensure you're up and running in record time. You can even opt in for a system Health

Check, during which K-TIG's expert engineers review your system for peak performance and maintenance requirements.

The Controller's WiFi and ethernet connectivity allow you to upload and share weld procedures, and review and store comprehensive weld reports. Equipped with easily accessible dual powered USB ports, operators can even use the Controller to charge other devices such as phones and tablets.

# Data

Comprehensive, accurate, real-time reliability.

The K-TIG Controller offers exceptional out-of-the-box weld process control, monitoring and reporting functionality. Its comprehensive, highly accurate, real-time data logging enables you to quickly and easily measure and document all welding parameters.

K-TIG's controller even captures and displays real-time information during the welding process. This means that—with one quick glance—an operator can easily assess the progress of the weld and make any necessary parameter adjustments.

With the ability to store up to 100,000 weld reports, the K-TIG Controller eliminates the need for expensive and (at times) inaccurate third-party weld monitoring and weld logging equipment.

Plus, you can ensure that all your welding is fully compliant with approved Welding Procedure Specifications (WPS) and that the data you capture meets—or even exceeds—the strict quality management requirements of ISO 9000, and the statistical process control standards of all your customers.

Thorough weld reporting automatically records any and every parameter you could ever need, including: procedure name, unique weld number, operator name, current, voltage, travel speed, heat input, wire feed rate, weld start time, weld end time, weld duration, pulsing, pulsing peak amps, pulsing background amps, peak time, background time, sector, pre-gas, post gas, ramp up and ramp down.



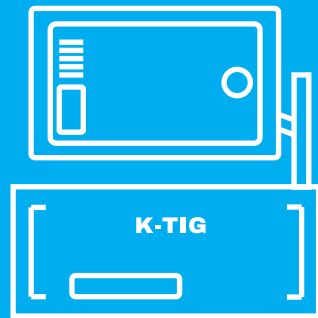
## Usability

Uncluttered. Uncomplicated.  
Simplicity itself.

With an uncluttered, uncomplicated interface designed with operator usability in mind, the K-TIG Controller delivers incredible results through the simplest of controls.

The K-TIG System is operated via a simple touch-screen application that is straightforward to learn and even easier to operate.

Its highly intuitive operating interface delivers on-screen identification of Welding Procedures, parameter settings, real-time parameter measurement, and real-time graphical display of weld performance by sector. Operators can even adjust parameters while welding (within the range limits defined by the weld procedure).



*Operators can control and monitor power supply, torch gas, trailing gas, wire feed, water cooler and the travel speed of connected automation equipment.*

## Integration

Seamlessly stress-free.

A K-TIG welding system is delivered as a fully integrated welding cell comprised of the K-TIG Controller, torch, power supply, water cooler, wire feeder and torch mount with compensating slide.

The only additional requirement is some form of automation to provide consistent torch travel speed. This can be almost any kind of welding automation including rotators, positioners, turntables, seamers, carriages, robots, column and booms and many others.

During commissioning, K-TIG will integrate your Controller with your automation equipment. The K-TIG system can be integrated very simply, or so extensively that your entire welding sequence is reduced to a single push-button solution—it's completely up to you.



# Freestyle Procedure Development

The Freedom to unlock unlimited possibilities.

K-TIG is committed to transforming the welding and fabrication industry. As such, our product development is centred on a single purpose: increasing the productivity of our customers.

'Freestyle' gives you the freedom to experiment with all welding parameters to rapidly develop new procedures that increase your productivity, efficiency and profitability

Not only does 'Freestyle' provide unlimited adjustment and configuration of all weld parameters, it also gives you the ability to create new weld procedures from existing welding parameters with just one click.

Accessible only by supervisors (not operators), the Freestyle functionality is the perfect balance of freedom and control.



# Procedures

Supreme control delivers strict compliance.

The K-TIG Controller offers 10 sectors—all with individually controlled, fully variable welding parameters and ramp up and ramp down settings—for unlimited weld procedure flexibility and supreme control.

There are innumerable options for creating, saving and sharing procedures. Procedures can be developed and saved by a Supervisor, developed on one K-TIG system and shared to another, or even uploaded to your system remotely by K-TIG's support team.

With unlimited procedure storage, weld procedures can be repeated indefinitely, ensuring permanent compliance. Plus, all procedures can be both saved and retrieved

with just a few clicks, saving enormous amounts of time.

You can even set parameter ranges so that your operators can monitor and adjust to minor changes in the material or environment. Best of all, compliance is assured with reliable procedure settings and ranges, highly accurate, real time in-weld data and detailed weld reports.

# Construction

Rugged, robust construction meets sleek design.

Designed with the user in mind, the K-TIG Controller boasts robust, heavy duty construction—it's built to work, and to last.

The entire system is shielded from the electromagnetic interference commonly generated in workshops through high frequency weld starts and the use of power equipment. Its heavy-duty, height-adjustable, articulated arm allows the control screen to be positioned for maximum operator comfort.



The 21.5-inch Full HD Industrial Grade LCD Touch Screen is detachable and easily mountable to the operators' preferred location. The screen shielded from high frequency arc starts and pulsed welding operations for continuous operation in severe environments.

Complete with sleek edge-to-edge toughened glass, the screen has been designed with industrial-grade long-life components for 24/7 use.

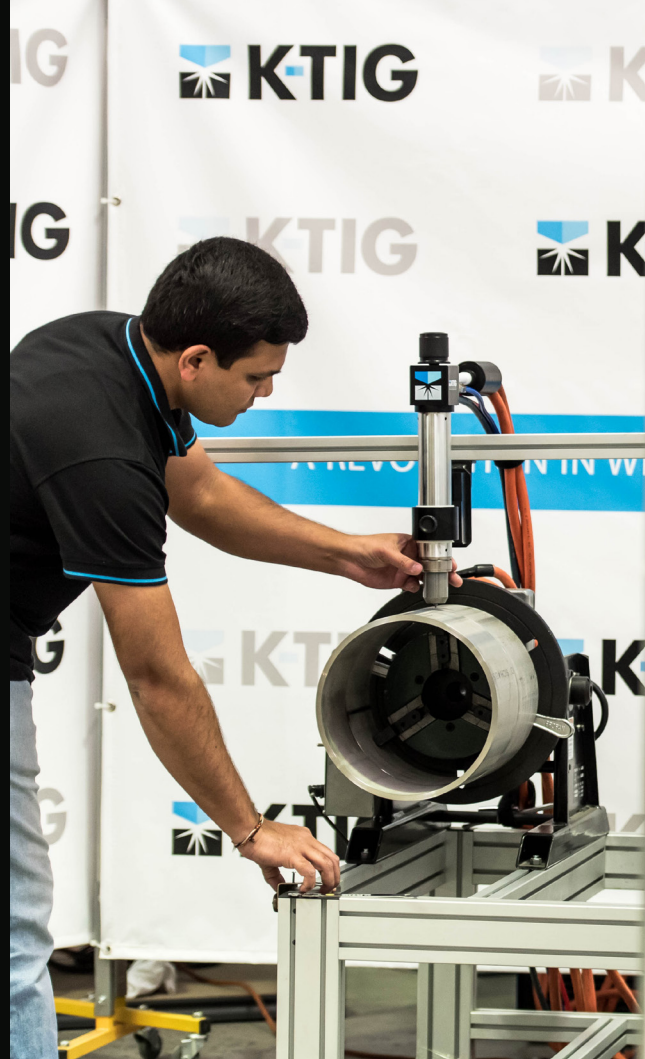
It is sealed to IP54 standard for water, dust and scratch resistance, so it delivers constant protection and requires little maintenance. The screen even offers fast, reliable touch performance (with both a hand or glove) via the latest 10-point PCAP multi-touch technology.

## Support

Round-the-clock expert advice means you're never alone.

K-TIG serves and supports its customers worldwide through a combination of direct sales and its international distribution network. Our customer support, distribution, product development and R&D divisions are structured for a single purpose – to increase the productivity of our customers.

With K-TIG on your team, you have access to round-the-clock support, and advice and assistance whenever you need it. We are more than happy to assist with the entire lifecycle of automating your welding processes, from designing and commissioning your new welding cell, right through to the provision of training and ongoing maintenance.



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