



STRATA
SUPERIOR WELDING PRODUCTS

TIG ARC **250A**
ADVANCETIG250ACDC




250A
Max Output (TIG/ARC)


Professional
TIG Welding of:
Aluminium, Mild Steel,
Stainless & More


4.0mm
Max Electrode Size


15A
230V

250A Synergic AC/DC Pulse TIG/ARC PFC Inverter Welder



*Water Cool
Package Available.



- ✓ **Full Colour LCD Control Screen** - Intuitive and clear visibility for setting of control parameters
- ✓ **TIG Smart Set Synergic Mode** - Easy setting of welding parameters according to material, thickness and joint type (switchable to manual mode)
- ✓ **Active PFC Technology** - Increased duty cycle and energy efficiency. Can be safely used with long extension lead
- ✓ **20 Memory Settings** - Ability to quickly save and recall control settings for specific jobs
- ✓ **AC Sine, Square, Triangle & Mixed AC Wave Options** - Ultimate control for every AC tig welding application
- ✓ **AC/DC Mix & Enhanced Fusion Feature** - Faster AC TIG welding speeds
- ✓ **Modular integrated water cooler option** - Ability to use water cooled torch option in an easily portable, compact package, with torch low coolant sensor protection
- ✓ **IGBT Inverter Technology** - Smooth & stable welding output, increased reliability
- ✓ **Digital Microprocessor Control System** - Accurate and reliable setting of control parameters
- ✓ **Dual Lift TIG and HF Start Modes** - Versatility for welding around sensitive electronic equipment
- ✓ **2T, 4T & Bi Level Trigger Control Modes** - Ease of operator use for all job applications
- ✓ **Dual Mode Remote Control Option** - Digital up/ down button or potentiometer thumb wheel torch remote control options through a single connection plug (optional add on)
- ✓ **Electronic HF Tig Arc Ignition System** - Contamination-free and easy arc starting with low EMF interference
- ✓ **Spot Welding Mode** - Special feature for welding very thin material without heat distortion
- ✓ **Industrial IP23 casing with front panel protection** - Resistant to damage, moisture and corrosion
- ✓ **Lightweight & Compact Design** - Ideal for portable site work applications
- ✓ **Adjustable Arc Force, Hot Start & Automatic Anti Stick Control** - Greater control and ease of use
- ✓ **Generator Friendly** - Designed to work with generator power supply and protect from power surges (9 KVA).
- ✓ **Intelligent Machine Protection System** - Temp., voltage & current sensors for increased reliability & safety
- ✓ **Smart cooling fan system** - Reduces noise and intake of environmental contaminants into machine
- ✓ **Production tested with 440V** - Extreme stress testing in production for rugged reliability.
- ✓ **Quick connect inlet gas fitting** - Tool-less easy connection of gas supply to machine

Description	Details
DIMENSIONS (LxWxH)	580 x 189 x 350mm
WEIGHT	15kg
INPUT POWER SUPPLY	230V AC 15A 50/60Hz
INPUT POWER SUPPLY TOLERANCE	90V-275V AC
MAXIMUM INPUT CURRENT	38A
GENERATOR CAPACITY	9kVA
MMA CURRENT OUTPUT	10-250A
MMA O/C VOLTAGE	78V
MMA DUTY CYCLE	250A@30% 210A@60% 160A@100%
AC/DC TIG CURRENT OUTPUT	5-250A
DC TIG DUTY CYCLE	250A@30% 210A@60% 160A@100%

Description	Details
AC TIG DUTY CYCLE	250A@25% 210A@60% 160A@100%
TIG UP/DOWN SLOPE ADJUST	0-10S
TIG GAS POST/PRE FLOW ADJUSTMENT	0-10S
TIG PULSE FREQUENCY	0.5-200Hz
TIG PULSE WIDTH RANGE	5-95%
AC TIG WAVEFORM	Square, Sine, Triangle, Multi Wave
INSULATION CLASS	IP23
AC FREQUENCY ADJUSTMENT	50-250Hz
POWER EFFICIENCY	80%
POWER FACTOR	0.75
STANDARDS	AS/ IEC60974-1:2012
WARRANTY	48 Months

Includes:



4m
Arc Lead



4m
Earth Lead



Strata Professional
PRO26 8m TIG Torch
w/ thumbwheel
remote control



2-Stage
Flowmeter
Argon Gas
Regulator



2m QC Gas
Hose Kit



ADVANCETIG250ACDC
User guide, specs, videos

LEARN MORE



TIG WELDING ACCESSORIES & CONSUMABLES

○ Standard ● Optional

ACCESSORY:	EZITIG200DCi	EZITIG200ACDCi	ADVANCETIG250ACDC	ADVANCETIG400ACDC
Arc Leads	○ AAL3550	○ AAL3550	○ AAL3550	○ 17479
Earth Leads	○ AEL3550	○ AEL3550	○ AEL3550	○ 17478
Regulator	○ GR102ARFL	○ GR102ARFL	○ GR101AR-2FL	○ GR101AR-2FL
TIG Torch	○ 32235 ● 17371	○ 24219 ● 17371	○ 17371 ● 17372/33921	○ 17372
TIG Consumables Kit	● DCKIT	● ACDCKIT	● ACDCKIT	● ACDCKIT
Foot Pedal (Electric)	● 31088/33728	● 31088/33728	● 31088/33728	● 31088/33728
Water Cooler	-	-	● 39554	● 22109

Standard Collets



TC10N23	1.6mm Standard Collet
WT-TC10N24	2.4mm Standard Collet
TC10N25	3.2mm Standard Collet

Standard Collet Bodies



TCB10N31	1.6mm Standard Collet Body
WT-TCB10N32	2.4mm Standard Collet Body
TCB10N28	3.2mm Standard Collet Body

Standard Ceramic Cups



TCC10N46	1/2" Standard Ceramic Cup
TCC10N47	7/16" Standard Ceramic Cup
TCC10N48	3/8" Standard Ceramic Cup

Mild Steel TIG Rods

✓ ER70S-6 Grade.



WT-TR16MS-70S-6	1.6mm x 1m Mild Steel TIG Rods
TR24MS-70S-6	2.4mm x 1m Mild Steel TIG Rods
TR32MS-70S-6	3.2mm x 1m Mild Steel TIG Rods

Aluminium TIG Rods

✓ 5356 Grade



TR16AL-5356	1.6mm x 1m Aluminium TIG Rods
WT-TR24AL-5356	2.4mm x 1m Aluminium TIG Rods
TR32AL-5356	3.2mm x 1m Aluminium TIG Rods

Stainless Steel TIG Rods

✓ 316 Grade.



WT-TR16SS-316	1.6mm x 1m Stainless Steel TIG Rods
TR24SS-316	2.4mm x 1m Stainless Steel TIG Rods
TR32SS-316	3.2mm x 1m Stainless Steel TIG Rods

Tungsten Electrodes

- ✓ Zirconiated for use on aluminium
- ✓ Thoriated for use on stainless and mild steel



TT16-150	1.6mm x 150mm Thoriated Tungsten Electrodes
WT-TT24-150	2.4mm x 150mm Thoriated Tungsten Electrodes
TT32-150	3.2mm x 150mm Thoriated Tungsten Electrodes
TZ16-150	1.6mm x 150mm Zirconiated Tungsten Electrodes
WT-TZ24-150	2.4mm x 150mm Zirconiated Tungsten Electrodes
TZ32-150	3.2mm x 150mm Zirconiated Tungsten Electrodes

ARC Welding Electrodes - 1KG

WEL1KG-16	1.6mm E6013 GP Electrodes
WEL1KG-20	2.0mm E6013 GP Electrodes
WEL1KG-25	2.5mm E6013 GP Electrodes
WEL1KG-32	3.2mm E6013 GP Electrodes
WEL316-25	2.5mm 316L S/S Electrodes
WEL316-32	3.2mm 316L S/S Electrodes
WEL312-25	2.5mm 312 Weld-All Electrodes
WEL312-32	3.2mm 312 Weld-All Electrodes
WELCi-25	2.5mm Cast Iron NiFe Electrodes
WELCi-32	3.2mm Cast Iron NiFe Electrodes
WEL7018-32	3.2mm 7018 Low Hydrogen Electrodes
WELHF-32	3.2mm HF600 Hard Facing Electrodes



Weld Torch Coolant

✓ for Tig, Mig, Laser & Spot Welder torches and water coolers

WTC5	5L Weld Torch Coolant
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Leads & Plugs



CP3550	Welding Lead Cable Plug
17847	17847 - 12 Pin Strata TIG Remote Connection Plug