



**STRATA**  
SUPERIOR WELDING PRODUCTS

TIG ARC **400A**  
**ADVANCETIG400ACDC**

  
**400A**  
Max Output (TIG/ARC)

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

  
**4.0mm**  
Max Electrode Size

  
**32A 400V**  
THREE-PHASE



## 400A Three-Phase Synergic AC/DC Pulse TIG/ARC Inverter Welder



- ✓ **Full Colour LCD Control Screen** - Intuitive and clear visibility and setting of control parameters
- ✓ **TIG Smart Set Synergic Mode** - Easy setting of welding parameters according to material, thickness and joint type
- ✓ **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** - Easy connection of water cooled torch with low coolant torch protection function
- ✓ **Integrated Heavy Duty Industrial Trolley Option** - Easy to move around the workshop environment
- ✓ **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
- ✓ **IGBT Module Inverter Technology** - Smooth & stable output, increased reliability, high duty cycle
- ✓ **Power Source Wind Tunnel Cooling Design** - Protection against environmental contamination
- ✓ **Adjustable Arc Force, Hot Start & Automatic Anti Stick Control** - Greater control and ease of use
- ✓ **Intelligent Machine Protection System** - Temperature, voltage & current sensors for increased reliability & safety
- ✓ **Phase Loss Protection** - Machine automatically shuts down if power supply phase loss occurs, to prevent damage.
- ✓ **Production tested with 550V** - Extreme stress testing in production for rugged reliability.
- ✓ **Generator Friendly** - Designed to work with generator power supply and protect from power surges.
- ✓ **Smart cooling fan system** - Reduces noise and intake of environmental contaminants into machine
- ✓ **Quick connect inlet gas fitting** - Tool-less easy connection of gas supply to machine

Description	Details
MACHINE DIMENSIONS (LxWxH)	640 x 250 x 500mm
WEIGHT	27kg
INPUT POWER SUPPLY	400V AC 3 Phase 32A 50/60Hz
INPUT POWER SUPPLY TOLERANCE	+/-10%
MAXIMUM INPUT CURRENT	36.5A
GENERATOR CAPACITY	25kVA
MMA CURRENT OUTPUT	10-400A
MMA O/C VOLTAGE	67V
MMA DUTY CYCLE	400A@60% 310A@100%
AC/DC TIG CURRENT OUTPUT	10-400A
AC TIG DUTY CYCLE	400A@60% 310A@100%
TIG UP/DOWN SLOPE ADJUSTMENT	0-10S

Description	Details
TIG GAS POST/PRE FLOW ADJUSTMENT	0-2/0-10S
TIG PULSE FREQUENCY	0.5-999Hz
TIG PULSE WIDTH RANGE	5-95%
AC TIG WAVEFORM	Square, Sine, Triangle, Multi Wave
INSULATION CLASS	IP23
AC FREQUENCY ADJUSTMENT	50-250Hz
DC TIG DUTY CYCLE	400A@60% 310A@100%
POWER EFFICIENCY	85%
POWER FACTOR	0.7
STANDARDS	AS/ IEC60974-1:2012
WARRANTY	48 Months

### Includes:



ADVANCETIG400ACDC  
User guide, specs, videos

[LEARN MORE](#)



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# 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

## Industrial Welding Trolley

- ✓ Suitable for ADVANCETIG machines and water cooling unit or industrial storage unit
- ✓ Super duty wheels and castors



22108	Industrial Welding Trolley - V2
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## 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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