

R-TECH digital PFC SERIES

ENGINEERING THE FUTURE



Ministry of Defence



THE R-TECH DIGITAL SERIES

TIG WELDERS & PLASMA CUTTERS



R-Tech TIG210



The R-Tech TIG210 PFC is a 210A AC/DC TIG welder with 240V input, power factor correction, electronic HF starting, fully featured pulse welding, slope up/down, twin LED display, high duty cycle and a remote foot pedal option



FEATURES & SPECIFICATIONS

Full function digital control panel designed for easy use - control all setup and machine parameters from a single button - Easy start and finish set-up.

- 10 job auto memory store
- Power Factor Correction - Gives lower running costs and higher energy efficiency, cleans noisy power supplies & is 100% generator friendly
- 3 AC Waveforms
 - Square Wave: fast cooling weld pool, deep penetration and fast travel speed
 - Sine Wave: Low arc noise, for a traditional arc
 - Triangular Wave: designed for thin alloys, reduces heat input
- Electronic HF - improved arc starting and less interference
- Lift start option
- Amperage Range: 5 to 210 Amps (DC TIG)
- Amperage Range: 10 to 210 Amps (AC TIG)
- Amperage Range: 10 to 160 Amps (Stick)
- AC Frequency: 15-200Hz
- Pulse width: 0.1-1.0s
- 35% Duty Cycle at 210A (TIG)
- 100% Duty Cycle at 120A (TIG)
- 35% Duty Cycle at 150A (MMA)
- 100% Duty Cycle at 100A (MMA)
- Input voltage: 240v (Input Amperage: 16 A)
- Pulse Frequency AC: 0.5-10Hz
- Pulse Frequency DC: 0.5-500Hz
- Dimensions: 420 x 210 x 445 mm Weight: 17kg
- VRD Voltage Reduction in MMA - reduces OCV in standby for increased user safety
- Full 4-way functioning with control of pre/post flow gas, initial/final amps, slope up/down
- Generator Friendly - Recommended minimum size: 8KVA
- Insulation class IP23
- Dual LED displays for pre-set and actual amps
- MMA Anti-Stick & Hot Start technology
- Remote Foot Pedal Option
- Package includes: WP26 TIG torch (4m), earth lead & clamp, gas hose, regulator & owners manual

3 Year Warranty

Your local distributor



For more information visit:
www.r-techwelding.co.uk

Specifications made be subject to change without notice.

R-Tech TIG500



The R-Tech TIG500 is a power packed 500A AC/DC TIG welder with 415V input, electronic HF starting, fully featured pulse welding, 3 AC Waveforms, twin LED display and a high duty cycle. A remote foot pedal option is also available



FEATURES & SPECIFICATIONS

Full function digital control panel designed for easy use - control all setup and machine parameters from a single button - Easy start and finish set-up.

- 10 job auto memory store
- 3 AC Waveforms
 - Square Wave: fast cooling weld pool, deep penetration and fast travel speed
 - Sine Wave: Low arc noise, for a traditional arc
 - Triangular Wave: designed for thin alloys, reduces heat input
- Electronic HF - improved arc starting and less interference
- Lift start option
- Amperage Range: 5 to 500Amps (DC TIG)
- Amperage Range: 10 to 500 Amps (AC TIG)
- Amperage Range: 10 to 400 Amps (Stick/MMA)
- AC Frequency: 15-200Hz
- Pulse width: 0.1-1.0s
- 20% Duty Cycle at 500A (TIG)
- 60% Duty Cycle at 300A (TIG)
- 100% Duty Cycle at 265A (TIG)
- 25% Duty Cycle at 400A (MMA)
- 60% Duty Cycle at 275A (MMA)
- 100% Duty Cycle at 245A (MMA)
- Input voltage: 415v; Input Amperage: 32A
- Fuse Rating: 32 Amps
- Pulse Frequency AC: 0.5-10Hz
- Pulse Frequency DC: 0.5-500Hz
- Dimensions: 490 x 255 x 480 mm Weight: 29kg
- VRD Voltage Reduction in MMA - reduces OCV in standby for increased user safety
- Full 4-way functioning with control of pre/post flow gas, initial/final amps, slope up/down
- Generator Friendly - Recommended minimum size: 18KVA
- Insulation class IP23S
- Dual LED displays for pre-set and actual amps
- MMA Anti-Stick & Hot Start technology
- Remote Foot Pedal Option
- Package includes: WP26 TIG torch (4m), earth lead & clamp, gas hose, regulator & owners manual

3 Year Warranty

Your local distributor



For more information visit:
www.r-techwelding.co.uk

Specifications made be subject to change without notice.

R-Tech TIG320 AC/DC TIG WELDER



The R-Tech TIG320 is a power packed 320A AC/DC TIG welder with 415V input, easy to use digital control panel, electronic HF starting, fully featured pulse welding, 3 AC Waveforms, twin LED display and a high duty cycle. A remote foot pedal is also available.



FEATURES & SPECIFICATIONS

Full function digital control panel designed for easy use - control all setup and machine parameters from a single button - Easy start and finish set-up.

- 10 job auto memory store
- 3 AC Waveforms
 - Square Wave: fast cooling weld pool, deep penetration and fast travel speed
 - Sine Wave: Low arc noise, for a traditional arc
 - Triangular Wave: designed for thin alloys, reduces heat input
- Electronic HF - improved arc starting, less interference and lift start option
- Amperage Range: 5 to 320 Amps (DC TIG)
- Amperage Range: 10 to 320 Amps (AC TIG)
- Amperage Range: 10 to 210 Amps (Stick/MMA)
- AC Frequency: 15-200Hz
- Pulse width: 0.1-1.0s
- 35% Duty Cycle @ 320A (TIG)
- 60% Duty Cycle @ 240A at (TIG)
- 100% Duty Cycle @ 200A at (TIG)
- 20% Duty Cycle @ 320A (MMA)
- 60% Duty Cycle @ 210A at (MMA)
- 100% Duty Cycle @ 180A at (MMA)
- Input voltage: 415v 3 phase: Input Amperage 20A
- Pulse Frequency AC: 0.5-10Hz (DC: 0.5-500Hz)
- Dimensions: 490 x 255 x 480 mm Weight: 27kg
- VRD Voltage Reduction in MMA - reduces OCV in standby for increased user safety
- Full 4-way functioning with control of pre/post flow gas, initial/final amps, slope up/down
- Generator Friendly - Recommended minimum size: 15KVA
- Dual LED displays for pre-set and actual amps
- MMA Anti-Stick & Hot Start technology
- Remote Foot Pedal Option
- Package includes: WP26 TIG torch (4m), earth lead & clamp, gas hose, regulator & Owners Manual

3 Year Warranty

Your local distributor



R-Tech TIG200DC



The R-Tech TIG200DC PFC is a 200A DC TIG welder with 240V input, electronic HF starting, fully featured pulse welding, slope up/down, twin LED display, high duty cycle and foot pedal option



FEATURES & SPECIFICATIONS

Full function digital control panel designed for easy use - control all setup and machine parameters from a single button - Easy start and finish set-up.

- Power Factor Correction - Gives lower running costs and higher energy efficiency, cleans noisy power supplies & is 100% generator friendly
- Amperage Range: 5 to 200 Amps (TIG)
- Amperage Range: 10 to 150 Amps (Stick)
- Electronic HF - improved arc starting and less interference
- 100% Duty Cycle at 125A (TIG)
35% Duty Cycle at 200A (TIG)
- 100% Duty Cycle at 100A (MMA)
35% Duty Cycle at 150A (MMA)
- Pulse width: 0.1-1.0s
- Input Amperage: 16 Amps
- Input Voltage: 240v
- Pulse Frequency: 0.5-10Hz
- No-Load Voltage: 62 Amps
- Dimensions: 400 x 170 x 325 mm Weight: 10kg
- VRD Voltage Reduction in MMA - reduces OCV in standby for increased user safety
- Full 4-way functioning with control of pre/post flow gas, initial/final amps, slope up/down
- Generator Friendly - Recommended minimum size: 8KVA
- Dual LED displays for preset and actual amps
- MMA Anti-Stick & Hot Start technology
- Insulation class IP23S
- Package includes: WP26 TIG torch (4m), earth lead & clamp, gas hose, regulator & owners manual

3 Year Warranty

Your local distributor



For more information visit:
www.r-techwelding.co.uk

R-Tech VP-P100

The R-Tech VP-P100 plasma cutter is a heavy duty plasma cutter with a genuine 31mm clean cut, high frequency arc starting, pilot arc re-start and cost effective & long life consumables



FEATURES & SPECIFICATIONS

- 100amp cutting power
- 50% Duty cycle @ 100amps
- 100% Duty cycle @ 75amps
- 31mm genuine clean cut on steel
- 40mm severance cut on steel
- 24mm genuine clean cut on alloy & stainless steel
- 415v input 20A input required
- Generator Friendly - Generator must be minimum of 15KVA and fitted with AVR (auto voltage regulation)
- Installed power 12.5KVA
- Insulation class IP23
- Industrial quality metal chassis
- Cooling fan with thermostatic protection
- Quick Fit Torch with long life consumables
- Nett Weight 22kg - Size 570 x 330 x 600
- Air pressure required 70-80Psi/4.6-5.2bar
- Air flow: 200LPM (7CFM)
- Package Includes, R-Tech VP-P100 plasma cutter, 6m plasma cutter torch, earth lead, mains cable, air pressure regulator & PCL fitting, owners manual

3 Year Warranty

Your local distributor

The logo for R-Tech digital SERIES. It features a stylized 'R' inside a blue circle with 'TECH' written below it. To the right, the word 'digital' is written in a large, bold, italicized font with a red outline, and 'SERIES' is written in a smaller, bold font below it.



For more information visit:
www.r-techwelding.co.uk

R-Tech VP-P60

The R-Tech VP-P60 plasma cutter is a heavy duty plasma cutter with a genuine 21mm clean cut, high frequency arc starting, pilot arc re-start and cost effective & long life consumables



FEATURES & SPECIFICATIONS

- 60amp cutting power
- 60% Duty cycle @ 60amps
- 100% Duty cycle @ 40amps
- 21mm genuine clean cut on steel
- 30mm severance cut on steel
- 16mm genuine clean cut on alloy & stainless steel
- 415v input 16A input required
- Installed power: 9KVA
- Generator Friendly - Generator must be minimum of 12KVA and fitted with AVR (auto voltage regulation)
- Insulation class IP23
- Industrial quality metal chassis
- Cooling fan with thermostatic protection
- Quick Fit Torch with long life consumables
- Nett Weight 18kg - Size 570 x 330 x 600
- Air pressure required 65-75Psi/4.4-5bar
- Air flow: 110LPM (3.9CFM)
- Package Includes, R-Tech VP-P60 plasma cutter, 6m plasma cutter torch, earth lead, mains cable, air pressure regulator & PCL fitting, owners manual

3 Year Warranty

Your local distributor



For more information visit:
www.r-techwelding.co.uk

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PLASMA CUTTER PRICES

60 AMP



£1795 + VAT

100 AMP



£2190 + VAT



ORDER ONLINE @
www.r-techwelding.co.uk

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