



www.r-techwelding.co.uk



WELDING AND CUTTING MACHINE RANGE 2012

WELCOME TO R-TECH WELDING



We are committed to providing the best quality welding and cutting equipment at the best possible prices.

All our MIG, TIG and ARC Welders and Plasma Cutters are built using top quality, branded components which is one reason why we are proud to offer two year warranties with all our Analogue machines and three year warranties on our Digital machines



COMPREHENSIVE RANGE

Designed to meet the highest standards, our machines are tough, durable and able to work effortlessly in the most demanding industrial environments. Whether it's MIG, TIG, ARC or Plasma Cutters you're looking for, there's a machine to suit every requirement. In addition to our machine range we also supply welding consumables, air compressors, generators, helmets, protective equipment and other welding accessories. R-Tech is currently the fastest growing brand in the industry*.

* Source: MPL Research Data. Correct at time of press.

CHOOSE FROM OVER
30
MODELS



QUALITY AND RELIABILITY

The R-Tech range of welding machines and plasma cutters is built upon quality, reliability and outstanding duty cycles. We source only the highest quality components from around the world for use in our machines which helps us achieve a remarkable level of usability and performance, all backed by our in-house warranties. We are proud to supply some of the countries leading engineering companies



100%
MONEY BACK
GUARANTEE

2 & 3
YEAR
WARRANTIES



HIGH-END FEATURES

We have designed our machines with some of the features normally found on welding machines at twice or three times the price. Things like AC Squarewave Frequency and Balance (on AC/DC TIG Welders) and Pilot Arc Start on our Plasma Cutters single out our products as some of the highest specification machines you on the market. Designing many of our models around high duty cycles means you can weld or cut continuously for longer periods without any down time, unlike many other manufacturers





TECHNICAL SUPPORT

The R-Tech team is committed to honest, friendly service with direct support lines to knowledgeable people who will assist you with any questions you may have about any aspect of our range, products and services. Our commitment to keeping you operational sets us apart from most other manufacturers.

Our ethos and support goes beyond simply buying a machine - we're a people business and believe that once you're an R-Tech customer you'll stay one.



BEST CUSTOMER SERVICE



Voted No.1 FOR OUR CUSTOMER SERVICE

* Source: MPL Research Data.
Correct at time of press

Friendly Phone and Email support
Knowledgeable Trained Staff
Family-run UK business
Established over 25 years



Visit us online 24/7 @ www.r-techwelding.co.uk

Our easy-to-navigate website features extensive technical information and guides on welding.

Many of our welding and cutting machines feature demonstration videos and all have data sheets available to download and print.

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TIG WELDERS AC/DC 240V

240V AC/DC TIG WELDERS

160 AMP

200 AMP

250 AMP



Class leading components and a wealth of advanced features make this range of welders the only serious choice for TIG welding

Our complete package includes a 4M Air Cooled WP26 TIG Torch (see below for torch options), Earth Lead, MMA Lead, Gas Hose, Mains Cable, Argon Regulator, Owners Manual and a Torch Consumables Kit

- Fabrication
- Aerospace
- Automotive Industry
- Maintenance
- Marine applications
- Restoration/Professionals



TIG TORCH OPTIONS	LENGTH	RATING
WP18 Water Cooled torch	4M & 8M	350A DC - 250A AC
WP20 Water Cooled torch	4M & 8M	250A DC - 175A AC
WP26 Air Cooled torch	8M	200A DC - 150A AC



Prevents interference on localised electronic equipment

HF micro start enables easy arc ignition and prevents HF from causing interference with other localized electronic equipment. This a feature commonly found on more expensive machines.



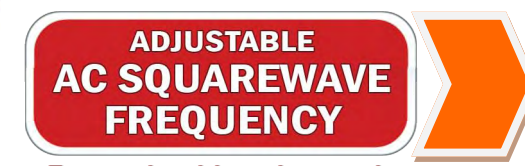
Use the welder in DC mode for steels and AC mode for alloys. All three models also feature MMA (Arc) welding functionality too. These TIG welders will weld almost any metals*
* subject to usage of correct gas/rods and torch consumables



Foot pedals give you the ultimate in smooth power delivery and control. Weld from minimum amps up to any pre-set maximum of your choice. Ideal for intricate or complicated welds



Fully featured pulse welding enables the adjustment of width, amperage and frequency, thus reducing heat deformation and providing greater control of the weld pool. Ideal for stainless steel applications.



For total weld pool control; aids travel speed and reduces deformation

Adjustable between 20 to 250Hz this allows for quicker travel speed, improved penetration and provides a narrow weld seam. This feature is commonly found on more expensive TIG welders.

2 Year Warranty

FOR MORE INFORMATION VISIT:

www.r-techwelding.co.uk

TECHNICAL SPECIFICATIONS

160 AMP



MODEL:TIG161

Output @ 35% duty cycle	160 amps
AC TIG Output	20-160 amps
DC TIG Output	5-160 amps
MMA Output	5-120 amps
AC Squarewave Balance Control	Yes (30-70%)
AC Squarewave Frequency Control	50-250Hz
High Frequency Micro Start	yes
Generator friendly recommended size	6.5 KVA
Slope Up/Slope Down	0-5 seconds
Gas Post Flow	1-25 seconds
Pulse Current Range	5-160 amps
Pulse Width Range	0.1-0.9 seconds
Pulse Frequency Range	0.5-25Hz
2T/4T (latching) trigger operation	yes
LED amperage/voltage display -preset & actual	yes
Cooling Fan with thermostatic protection	yes
MMA Hot Start	yes
240v Auxiliary Output for Water Cooler etc...	yes
Industrial Quality Metal Chassis	yes
Net Weight	25Kg
Dimensions (mm)	515x220x395

2 Year Warranty

200 AMP



MODEL:TIG201

Output @ 60% duty cycle	200 amps
AC TIG Output	20-200 amps
DC TIG Output	5-200 amps
MMA Output	5-160 amps
AC Squarewave Balance Control	Yes (30-70%)
AC Squarewave Frequency Control	20-250Hz
High Frequency Micro Start	yes
Generator friendly recommended size	6.5 KVA
Slope Up/Slope Down	0-5 seconds
Gas Post Flow	1-25 seconds
Pulse Current Range	5-200 amps
Pulse Width Range	0.1-0.9 seconds
Pulse Frequency Range	0.5-25Hz
2T/4T (latching) trigger operation	yes
LED amperage/voltage display -preset & actual	yes
Cooling Fan with thermostatic protection	yes
MMA Hot Start	yes
240v Auxiliary Output for Water Cooler etc...	yes
Industrial Quality Metal Chassis	yes
Net Weight	29Kg
Dimensions (mm)	515x220x395

2 Year Warranty

250 AMP



MODEL:TIG251

Output @ 60% duty cycle	250 amps
Output @ 100% duty cycle	200 amps
AC TIG Output	20-250 amps
DC TIG Output	10-250 amps
MMA Output	10-200 amps
AC Squarewave Balance Control	Yes (30-70%)
AC Squarewave Frequency Control	20-250Hz
High Frequency Micro Start	yes
Generator friendly recommended size	10 KVA
Slope Up/Slope Down	0-5 seconds
Gas Post Flow	1-25 seconds
Pulse Current Range	20-250 amps
Pulse Width Range	0.1-0.9 seconds
Pulse Frequency Range	0.5-25Hz
2T/4T (latching) trigger operation	yes
LED amperage/voltage display -preset & actual	yes
Cooling Fan with thermostatic protection	yes
MMA Hot Start	yes
240v Auxiliary Output for Water Cooler etc...	yes
Industrial Quality Metal Chassis	yes
Net Weight	30Kg
Dimensions (mm)	515x220x395

2 Year Warranty

TIG WELDER OPTIONS



WATER COOLER

Powerful active water cooler designed for R-Tech TIG Welders. This model features a 7 litre tank and a large heat exchanger allowing cooling up to 600 Amps.



STANDARD TROLLEY

Made for our 240v range of TIG Welders this trolley has three good sized trays, side arms for cable storage.



HEAVY-DUTY TROLLEY

A heavy gauge, British-made steel trolley featuring two trays, side arms and heavy duty wheels. Ideally suited to our 415v range of TIG Welders

FOR MORE INFORMATION VISIT:

www.r-techwelding.co.uk

DIGITAL TIG WELDERS

DC & AC/DC TIG WELDERS (240v & 415v)



Our class leading Digital Control panel range of TIG welders feature an easy-to-use front panel with all functions controlled from a single button



Our ergonomically designed Digital Control Panel allows for easy set up and finish of any job with up to ten memory stores* for previous work or regular production jobs to be recalled for fast switching between work. Recall at the touch of a button.

* applicable to AC/DC models only



Power Factor Correction* ensures a clean supply to the machine, eradicating noise and spikes. The Digital Series TIG welders are more energy efficient and consumes less power.

* applicable to 240v models only (VP-TIG210 & VP-TIG200DC as shown)



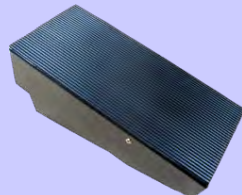
Get the benefit from 3 AC Waveforms*; a Squarewave for fast cooling and deep penetration, a Sine Wave for low arc noise and more traditional arc and a Triangular Wave for thin alloys requiring less heat input

* applicable to AC/DC models only



3 Year Warranty

- Fabrication
- Aerospace
- Automotive Industry
- Maintenance
- Marine applications
- Restoration/Professionals
- Production Processes
- Manufacturing
- Motorsport



Remote Foot Pedal available



FOR MORE INFORMATION VISIT:

www.r-techwelding.co.uk

TECHNICAL SPECIFICATIONS

200 AMP



MODEL-VP-TIG200DC

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 40°C: 35%

Pulse width: 0.1-1.0s

Fuse Rating: 16 Amps

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: 6KVA

Dual LED displays for preset 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

210 AMP



MODEL-VP-TIG210

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

Duty Cycle at 40°C: 35% @ 210Amps

Input voltage: 240v (Fuse Rating: 16 Amps)

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: 7KVA

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

320 AMP



MODEL-VP-TIG320

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 320 Amps (DC TIG)

Amperage Range: 10 to 320 Amps (AC TIG)

Amperage Range: 10 to 210 Amps (Stick)

AC Frequency: 15-200Hz

Pulse width: 0.1-1.0s

Duty Cycle at 40°C: 35% @ 320Amps

Input voltage: 415v Three Phase

Pulse Frequency AC: 0.5-10Hz

Pulse Frequency DC: 0.5-500Hz

Dimensions: 490 x 255 x 480 mm Weight: 25kg

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: 12KVA

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

500 AMP



MODEL-VP-TIG500

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 500 Amps (DC TIG)

Amperage Range: 10 to 500 Amps (AC TIG)

Amperage Range: 10 to 400 Amps (Stick)

AC Frequency: 15-200Hz

Pulse width: 0.1-1.0s

Duty Cycle at 40°C: 35% @ 320Amps

Input voltage: 415v Three Phase

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

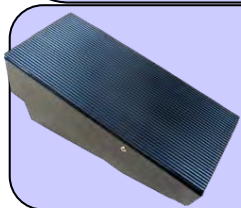
Generator Friendly - Recommended minimum size: 25KVA

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



Remote
Foot
Pedal
available

3 Year Warranty

3 Year Warranty

3 Year Warranty

TIG WELDER OPTIONS



WATER COOLER

Powerful active water cooler designed for R-Tech TIG Welders. This model features a 7 litre tank and a large heat exchanger allowing cooling up to 600 Amps.



STANDARD TROLLEY

Made for our 240v range of TIG Welders this trolley has three good sized trays, side arms for cable storage.



HEAVY-DUTY TROLLEY

A heavy gauge, British-made steel trolley featuring two trays, side arms and heavy duty wheels. Ideally suited to our 415v range of TIG Welders

FOR MORE INFORMATION VISIT:

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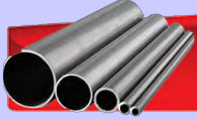
TIG WELDERS DC 240V

160AMP DC TIG WELDER

Features



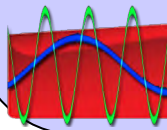
WORKS FROM A 13a SUPPLY



WELDS 4-5mm



USE AS AN ARC WELDER TOO



BASIC PULSE WELDING

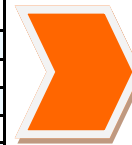
- Pulse welding for greater control
- HF Start for easy arc starting
- High 35% duty cycle
- Ideal for maintenance, fabrication and automotive applications
- Two year warranty

The **TIG160PDC** TIG Welder requires a 240v (13amp) input and our complete package includes an 4 Metre WP17 TIG Torch, Earth Lead, MMA Lead, Gas Hose, Mains Cable, Argon Regulator, Owners Manual and a Torch Consumables Kit with Tungsten Electrodes



TECHNICAL SPECIFICATIONS

TIG Output @ 35% duty cycle	160 amps	Slope Up/Slope Down	0-5 seconds
MMA Output @ 35% duty cycle	125 amps	Gas Post Flow	1-10 seconds
Required Input (TIG)	240v 13 amps	2T/4T Trigger Operation (trigger latching)	yes
Pulse Welding	yes	Generator recommended size (with AVR)	5 KVA
Pulse Frequency Range	0.5-25Hz	LED Actual amperage display	yes
HF Start	yes	Dimensions (mm)/ Weight	425x195x310/ 13kg
MMA Hot Start	yes	Cooling Fan with thermostatic protection	yes



200AMP DC TIG WELDER

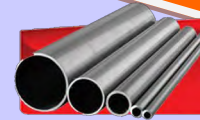
Features



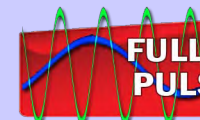
- Fully featured pulse welding for greater control
- HF Start for easy arc starting
- High 60% duty cycle
- Ideal for maintenance, fabrication and automotive, craftsmen and professionals

110v 240v SEE THE DUAL VOLTAGE VERSION ON PAGE 19

The **TIG200PDC** TIG Welder requires a 240v (22amp) input and our package includes an 4 Metre WP26 TIG Torch, Earth Lead, MMA Lead, Gas Hose, Mains Cable, Argon Regulator, Owners Manual and a Torch Consumables Kit



WELDS 6-7mm



FULLY FEATURED PULSE WELDING



USE WITH A FOOT PEDAL*

*SOLD SEPERATELY

2 YEAR WARRANTY

TECHNICAL SPECIFICATIONS

TIG Output @ 60% duty cycle	200 amps	Slope Up/Slope Down	0-5 seconds
TIG Output @ 100% duty cycle	160 amps	Gas Post Flow	1-10 seconds
MMA Output @ 35% duty cycle	160 amps	2T/4T Trigger Operation (trigger latching)	yes
Required Input (TIG)	240v 22 amps	Generator recommended size (with AVR)	8 KVA
Pulse width	0.1 — 0.9 seconds	LED Actual amperage display	yes
Pulse Amperage	5—200 Amps	Dimensions (mm)	425x195x310
Pulse Frequency Range	0.5-25Hz	Cooling Fan with thermostatic protection	yes
HF Start	yes	Net weight	18kg



FOR MORE INFORMATION VISIT:

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3
4
5



MIG WELDERS



MIG WELDERS - INVERTER

160AMP MIG WELDER 240v

Features

GENUINE
**ABIGOR
BINZEL**
EURO-TORCH

TAKES
5kg
REELS

**2 YEAR
WARRANTY**

welds from
30AMPS
PERFECT FOR VEHICLE WORK

Featuring industry leading Inverter technology this portable MIG welder is ideal for people on the move.

Powerful and accurate yet lightweight and robust it's ideal for maintenance, light fabrication, automotive and craftsmen

SPOOL-ON
GUN
AVAILABLE
FOR
ALLOY
WELDING

- Inverter technology
- High duty cycle
- Quality wire feed
- Two year warranty
- Binzel Euro Torch
- Infinite control



TECHNICAL SPECIFICATIONS

Output @ 60% duty cycle	115 amps	Welding Range	30 – 160 amps
Output @ 35% duty cycle	160 amps	Reel capacity	5kg
Required Input	240v 13 amps	Wire width capacity (Steel)	0.6 & 0.8mm
Maximum Output	160 amps	Wire width capacity (Alloy)	0.8 & 1.0mm
Adjustable arc force - controls spatter	yes	Roller size (fitted as standard)	0.6/0.8mm
Generator friendly recommended size	4.8 KVA	Dimensions (mm)	520x260x350
LED amperage/voltage display	yes	Net weight	14kg



200AMP MIG WELDER 240v

Features

- Inverter technology for smooth welds
- High 60% duty cycle @155 Amps
- Industrial 4 roll geared wire feed unit
- Two year warranty

Featuring industry leading inverter technology this MIG welder performs effortlessly all day long even in the most demanding environments.

TECHNICAL SPECIFICATIONS

Output @ 60% duty cycle	155 amps
Output @ 35% duty cycle	200 amps
Required Input	240v 19 amps
Maximum Output	200 amps
Net weight	45kg
Generator friendly recommended size	7 KVA
Cooling fan with thermostatic protection	yes
Adjustable arc force - controls spatter	yes
LED amperage/voltage display	yes
Welding Range	30 – 200 amps
Reel capacity	15kg
Wire width capacity	0.6, 0.8, 1.0mm
Roller size (fitted as standard)	0.8/1.0mm
Dimensions (mm)	900x440x750

**4 ROLL
GEARED
WIRE FEED UNIT**

TAKES
15kg
REELS

welds from
30AMPS
PERFECT FOR VEHICLE WORK

built with
**SIEMENS
POWER MODULES**



FOR MORE INFORMATION VISIT:

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MIG WELDERS - TRANSFORMER

250AMP MIG WELDER 240v

Features



The CMIG250 Compact is an industrial specification transformer-based MIG welder that runs from a 240v single-phase supply and boasts a high quality 4 roll geared wire feed unit assembly.

This compact size MIG comes with a Euro-fitting Binzel torch, can weld steels or alloys and carry a full sized gas bottle with ease. Complete with our Two Year Warranty

- Ultra-reliable technology
- High duty cycle
- 4-roll wire feed system
- Binzel Euro Torch
- 21 weld control settings
- Takes 15kg reels



TECHNICAL SPECIFICATIONS

Output @ 40% duty cycle	250 amps	Welding Range	40 – 250 amps
Output @ 100% duty cycle	160 amps	Reel capacity	15kg
Required Input	240v	Wire width capacity (Steel)	0.6 & 0.8mm
Maximum Output	250 amps	Wire width capacity (Alloy)	0.8 & 1.0mm
Adjustable arc force - controls splatter	yes	Roller size (fitted as standard)	0.8/1.0mm
Generator friendly recommended size	10 KVA	Dimensions (mm)	900x440x750
LED amperage/voltage display	yes	Net weight	85kg



315AMP MIG WELDER 415v

Features



The CMIG315 Compact is an industrial specification transformer-based MIG welder that runs from a 415v three-phase supply and boasts a high quality 4 roll geared wire feed unit assembly.

This compact size MIG comes with a Euro-fitting Binzel torch, can weld steels or alloys and carry a full sized gas bottle with ease. Complete with our Two Year Warranty

- Ultra-reliable technology
- High duty cycle
- 4-roll wire feed system
- Binzel Euro Torch
- 21 weld control settings
- Takes 15kg reels



TECHNICAL SPECIFICATIONS

Output @ 40% duty cycle	315 amps	Generator friendly recommended size	12 KVA
Output @ 100% duty cycle	200 amps	LED amperage/voltage display	yes
Required Input	415v	Welding Range	40 – 315 amps
Maximum Output	315 amps	Reel capacity	15kg
Net weight	85kg	Wire width capacity	0.6, 0.8, 1.0 & 1.2mm
Cooling fan with thermostatic protection	yes	Roller size (fitted as standard)	0.8/1.0mm & 1.0/1.2mm
Adjustable arc force - controls splatter	yes	Dimensions (mm)	900x440x750



FOR MORE INFORMATION VISIT:
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MIG WELDERS - TRANSFORMER

315AMP MIG WELDER 415v

450AMP MIG WELDER 415v



Features

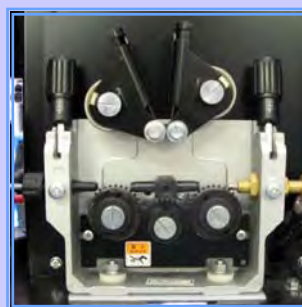


Separate Wire Feed Unit

The **CMIG315S** is an industrial specification transformer-based MIG welder that runs from a 415v three-phase supply and boasts a separate, heavy duty 4 roll geared wire feed unit assembly and 5m interconnecting cables

This full size, **315 Amp** MIG comes with a Euro-fitting Binzel torch, can weld steels or alloys and carry a full sized gas bottle with ease. Complete with our Two Year Warranty

	CMIG315S
Output @ 40% duty cycle	315 amps
Output @ 100% duty cycle	200 amps
Required Input	415v
Maximum Output	315 amps
Adjustable arc force	yes
Generator recommended size	12 KVA
LED amperage/volts display	yes
Welding Range	40 – 315 amps
Reel capacity	15kg
Wire width capacity (Steel)	0.6–1.2mm
Wire width capacity (Alloy)	0.6–1.2mm
Roller size (fitted as std)	0.8/1.0 + 1.2/1.6mm
Dimensions (mm)	900x440x750
Net weight	150kg



Our complete packages include a genuine Binzel® Air Cooled MB36 4Metre MIG Torch, Earth Lead, Gas Hose, Mains Cable, Gas Regulator and Owners Manual

The **CMIG450S** is an industrial specification transformer-based MIG welder that runs from a 415v three-phase supply and boasts a separate, heavy duty 4 roll geared wire feed unit assembly and 5m interconnecting cables

This full size, **450 Amp** MIG comes with a Euro-fitting Binzel torch, can weld steels or alloys and carry a full sized gas bottle with ease. Complete with our Two Year Warranty

	CMIG450S
Output @ 40% duty cycle	450 amps
Output @ 100% duty cycle	350 amps
Required Input	415v
Maximum Output	450 amps
Adjustable arc force	yes
Generator recommended size	15 KVA
LED amperage/volts display	yes
Welding Range	40 – 450 amps
Reel capacity	15kg
Wire width capacity (Steel)	0.6–1.2mm
Wire width capacity (Alloy)	0.6–1.2mm
Roller size (fitted as std)	0.8/1.0 + 1.2/1.6mm
Dimensions (mm)	900x440x750
Net weight	150kg

FOR MORE INFORMATION VISIT:

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20
Current

CE



PLASMA CUTTERS

PLASMA

PLASMA CUTTERS 240V

30AMP PLASMA CUTTER

Features

**8mm
GENUINE
CLEAN CUT**

**WORKS FROM
A 13a SUPPLY**

**JUST ADD
COMPRESSED AIR**

**LOW COST
CONSUMABLES**

- Runs from a 13 amp supply
- 8mm clean cut on steel
- HF Start for easy arc starting
- High 35% duty cycle
- Two year warranty

The **PLASMA 30C** package includes a 4.5M Plasma Cutter Torch, Earth Lead, Air Pressure Regulator and PCL fitting, Mains Cable, Owners Manual and a Torch Consumables Kit including tips, electrodes, gas distributors and shield cups

110v **240v** SEE THE DUAL VOLTAGE VERSION ON PAGE 19



TECHNICAL SPECIFICATIONS

Cutting Power	30 Amps	HF Arc Starting	Yes
Amperage Adjustment	15-30 Amps	Quick Fit Torch	Yes
Output at 35% duty cycle	30 Amps	Air Consumption	3.5cfm @ 50psi
240v Input Fuse Rating	13 Amps	Handy Carry Strap	yes
Severance cut (max)	12mm	LED amperage display	yes
Clean cut on steel	8mm	Cooling Fan with Thermostatic Protection	yes
Clean cut alloy & stainless steel	6mm	Industrial Quality Metal Chassis	yes
Net weight	14kg	Dimensions (mm)	390x190x290

TORCH CONSUMABLES

CUTTING TIP	GAS DISTRIBUTOR	ELECTRODE	SHIELD CUP
P30-CT	P30-GD	P30-EL	P30-SC

40AMP PLASMA CUTTER

Features

- HF Pilot Arc Starting
- 12mm clean cut on steel
- Easy torch fitting
- High 60% duty cycle
- 2 year warranty
- Low cost consumables

The **PLASMA40HF** includes a 6M Cutting Torch, Earth Lead, Mains Cable, Air Pressure Regulator and PCL fitting, Owners Manual and a Torch Consumables Kit including 5x Tips/Electrodes and 3x Ceramic Cups



**12mm
GENUINE
CLEAN CUT**

**HF PILOT ARC
STARTING**

**JUST ADD
COMPRESSED AIR**

**LOW COST
CONSUMABLES**

TECHNICAL SPECIFICATIONS

Output @ 60% Duty Cycle	40 amps	Generator friendly recommended size	8 KVA
Input Amperage	32 amps	Industrial Quality Metal Chassis	yes
Genuine Clean Cut Size on Mild Steel	12mm	Cooling Fan with thermostatic protection	yes
Genuine Cut Size on Alloy/Stainless Steel	9mm	Quick Fit Torch	yes
Severance Cut size on steel	16mm	Air Consumption @ 3.45 bar (50psi)	100L/min (3.5cfm)
HF Pilot Arc (easy starting)	yes	Long Life Consumables	yes
HF Pilot Arc Re-Start	yes	Net Weight	18Kg
LED amperage display	yes	Dimensions (mm)	425x195x310

TORCH CONSUMABLES

CUTTING TIP	CERAMIC CUP	STAND OFF SPRING	TORCH SWITCH	TORCH HEAD	COMPLETE TORCH	ELEC-TRODE
P40-CT	P40-CC	P40-SS	TS1	P40-THH	P40-6MHHT	P40-EL

FOR MORE INFORMATION VISIT

www.r-techwelding.co.uk

PLASMA CUTTERS 415V

60 & 100AMP PLASMA CUTTERS

Features

fully
INDUSTRIAL
SPECIFICATION MACHINES



**JUST ADD
COMPRESSED AIR**



**LOW COST
CONSUMABLES**



**HF PILOT ARC
STARTING**



built with
SIEMENS
POWER MODULES



**17mm
GENUINE
CLEAN CUT**

**26mm
GENUINE
CLEAN CUT**

These incredible, heavy duty Plasma Cutters are tough, durable and are built to cut all day long. With a range of cut sizes and all featuring HF Pilot Arc starting – these plasma cutters will suit every demanding environment.

- High 60% duty cycle
- Up to 26mm genuine clean cut*
- 2 year warranty
- For general fabrication, marine applications, aerospace, automotive industry and agricultural use
- Long life consumables

* max. cut on P100HF

The **PLASMA60HF** and **PLASMA100HF** include a 6M Plasma Cutting Torch, Earth Lead, Mains Cable, Air Pressure Regulator and PCL fitting, Owners Manual and a Torch Consumables Kit including 5x Tips/Electrodes and 3x Ceramic Cups

TECHNICAL SPECIFICATIONS	PLASMA 60HF	PLASMA 100HF
Output @ 60% Duty Cycle	60 amps	100 amps
Input Amperage	12.5 amps	22 amps
Genuine Clean Cut Size on Mild Steel	17mm	26mm
Genuine Cut Size on Alloy/Stainless Steel	13mm	21mm
Severance Cut size on steel	25mm	35mm
HF Pilot Arc (easy starting)	yes	yes
HF Pilot Arc Re-Start	yes	yes
LED amperage/voltage display	yes	yes
Generator friendly recommended size	13.5 KVA	24 KVA
Industrial Quality Metal Chassis	yes	yes
Cooling Fan with thermostatic protection	yes	yes
Quick Fit Torch	yes	yes
Air Consumption @ 3.80 bar (55psi)	100L/min (3.5cfm)	150L/min (5.25cfm)
Long Life Consumables	yes	yes
Net Weight	30Kg	43Kg
Dimensions (mm)	570x330x600	570x330x600

TORCH CONSUMABLES

ELECTRODE	CUTTING TIP 0.8mm 30A	CUTTING TIP 1.1mm 60A	CUTTING TIP 1.3mm 80A	CUTTING TIP 1.5mm 100A	SHROUD	TORCH HEAD	COMPLETE 6M HAND TORCH	TORCH HEAD MACHINE TYPE
P60100-EL	P60100-CT08	P60100-CT11	P60100-CT13	P60100-CT15	P60100-SH	P60100-THH	P60100-6MHHT	P60100-THM

FOR MORE INFORMATION VISIT:

www.r-techwelding.co.uk

PLASMA CUTTERS 415V

60 & 100AMP PLASMA CUTTERS



These heavy duty, workhorse Plasma Cutters are tough, durable and are built to cut big, cut clean and cut accurate and in the most demanding of environments. Perfect for automotive applications with their non-HF Pilot Arc start they are also our most energy efficient machines we have ever built—costing less to run



- High duty cycle
- Up to 31mm genuine clean cut*
- **3 year warranty**
- Quick fitting Euro-style torch
- Long life consumables always in stock

* max. cut on VP-P100



The **VP-P60** and **VP-P100** include a 6M Plasma Cutting Torch, Earth Lead, Mains Cable, Air Pressure Regulator and PCL fitting and Owners Manual



TECHNICAL SPECIFICATIONS	VP-P60	VP-P100
Output @ 35% Duty Cycle	60 amps	100 amps
Input Amperage	17.6 amps	22 amps
Genuine Clean Cut Size on Mild Steel	21mm	31mm
Genuine Cut Size on Alloy/Stainless Steel	16mm	24mm
Severance Cut size on steel	30mm	40mm
Non-HF Pilot Arc	yes	yes
Pilot Arc Re-Start	yes	yes
LED amperage/voltage display	yes	yes
Generator friendly recommended size	15 KVA	20 KVA
Industrial Quality Metal Chassis	yes	yes
Cooling Fan with thermostatic protection	yes	yes
Quick Fit Euro-style torch	yes	yes
Air Consumption @ 3.80 bar (55psi)	110L/min	200L/min
Long Life Consumables	yes	yes
Net Weight	19Kg	22Kg
Dimensions (mm)	570x330x600	570x330x600

FOR MORE INFORMATION VISIT:

www.r-techwelding.co.uk

PLASMA CUTTERS CONSUMABLES

FOR VP-P60 PLASMA CUTTERS

ELECTRODE	CUTTING TIP 1.1mm	RETAINING NOZZLE	DOUBLE-POINTED SPACER	GAS DIFFUSER
				
RT-PT80-52558	RT-PT80-51311.11	RT-PT80-60510	RT-PT80-60434	RT-PT80-60027
COOLING TUBE	TORCH SWITCH	HANDLE AND SWITCH	TORCH HEAD	O RING
				
RT-PT80-09800.42	RT-PT80-07301.20	RT-PT80-09705	RT-PT80-09800	RT-PT80-51620.60

FOR VP-P100 PLASMA CUTTERS

ELECTRODE	CUTTING TIP 0.9mm	CUTTING TIP 1.1mm	CUTTING TIP 1.2mm	CUTTING TIP 1.4mm
				
RT-PT100-52556	RT-PT100-51245.09	RT-PT100-51246.11	RT-PT100-51246.12	RT-PT100-51248.14
RETAINING NOZZLE (30-70A)	RETAINING NOZZLE (80-100A)	GAS DISTRIBUTOR (30-70A)	GAS DISTRIBUTOR (80-100A)	O RING
				
RT-PT100-60500	RT-PT100-60501	RT-PT100-60025	RT-PT100-60026	RT-PT100-51190.41
COOLING TUBE	TORCH HEAD	TORCH SWITCH	TORCH HANDLE AND SWITCH	DOUBLE-POINTED SPACER
				
RT-PT100-09700.48	RT-PT100-09700	RT-PT80-07301.20	RT-PT80-09705	RT-PT100-60444

FOR MORE INFORMATION VISIT:

www.r-techwelding.co.uk

Pulse OFF

TIG

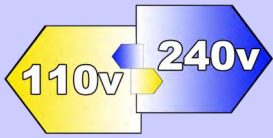


DUAL VOLTAGE

0.5
Pulse freq

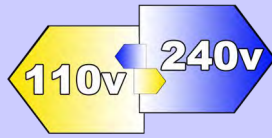
DUAL VOLTAGE - 110v/240v MACHINES

30AMP PLASMA CUTTER



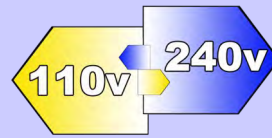
The R-Tech **P30DV** dual voltage plasma cutter features a massive 8mm genuine clean cut, high frequency arc starting and low cost, long life consumables

200AMP DC TIG WELDER



The R-Tech **TIG200DV** 200 Amp TIG welder has high frequency starting, full featured pulse welding, slope up/down, LED display and high 60% duty cycle

160AMP ARC WELDER



The R-Tech **MMA160DV** is an MMA Stick Arc welder featuring Inverter technology and is suitable for ship builders and fabricators where constant use is required

FEATURES AND SPECIFICATIONS

- 30amp cutting power
- Amperage adjustment 15-30 amps
- High Duty cycle 35% @ 30amps
- 110V/240V Input Fuse rating 13amps
- 8mm genuine clean cut on steel
- 12mm severance cut on steel
- 6mm genuine clean cut on alloy and stainless steel
- HF arc starting enables easy starting of cut
- Digital display for amps - for calibrating for ISO requirements.
- Industrial quality chassis
- Cooling fan with thermostatic protection
- Quick Fit Torch with long life consumables
- Nett Weight 14Kg - Size 390x190x290
- Air Consumption 100Ltr/Min (3.5CFM) @ 3.45 Bar (50PSI)
- Handy Carry Strap
- Package: R-Tech Plasma30DV plasma cutter, 4.5m plasma cutter torch, earth lead, mains cable, air pressure regulator and PCL fitting, owners manual, torch consumables kit - 5 x tips/electrodes, 3x Shield Cups, 3 x Gas distributors

- 5-200A TIG Output @ 60% Duty Cycle (240v)
- 5-140A TIG Output @ 60% Duty Cycle (110v)
- 5-180A MMA Output @ 60% Duty Cycle (240v)
- 5-120A MMA Output @ 60% Duty Cycle (110v)
- 110/240V Single Phase Input (Auto Switching)
- Full Featured Pulse TIG welding Inc Frequency, Width and Amperage
- HF-Start
- Pulse Frequency Range: 0.5Hz to 25Hz
- Slope up 0 - 5 Seconds / Slope down 0 - 5 Seconds
- Pulse Width 0.1 - 0.9 Seconds
- Pulse Amperage 5 - 200 amps
- Gas post flow 1 - 10 Seconds
- 2T/4T Trigger Operation (trigger latching)
- Industrial quality metal chassis
- L.E.D Amperage Display (actual not preset)
- Remote foot pedal option for the ultimate weld pool control
- Cooling fan with thermostatic protection
- Nett Weight 18KG - Dimensions (mm) 425x195x310
- Generator Friendly - Generator must be minimum of 8KVA and fitted with AVR (auto voltage regulation)
- Package Includes, R-Tech TIG200DV TIG welder, 4m WP26 TIG torch, earth lead, MMA Lead, gas hose, mains cable, argon regulator, owners manual, torch consumables kit including tungsten's

- Dual Voltage Arc Welder
- Use anywhere with a 110/240v supply
- True 4.0mm electrode capacity
- Complete kit - supplied with all cables
- 160 Amp welding output
- 110v/240V 16amp Input Required
- Generator friendly - 6.2KVA Recommended
- Duty Cycle 60% @ 160Amps
- Electrode Capacity 1.6 - 4.0mm
- Cooling fan with thermostatic protection
- Perfect for on-site jobs and applications
- Package Includes - R-Tech MMA160DV arc welder, 3M Earth & MMA Leads, Mains Cable, Manual
- Net Weight 14KG
- Dimensions 425x195x310

ALL DUAL VOLTAGE MACHINES CARRY OUR FULL **TWO YEAR WARRANTY**

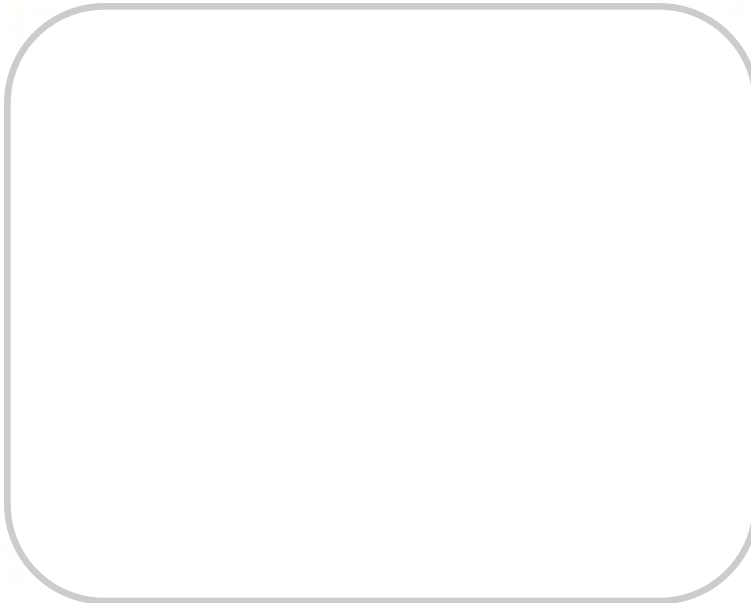
FOR MORE INFORMATION VISIT:
www.r-techwelding.co.uk

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01452 733933



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Errors and omissions excluded. All items subject to availability. Specifications may change or vary to those shown and models may be superseded or replaced to an equivalent specification.

R-Tech Welding Equipment Ltd is registered in England No: 6310207