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# Inverter Series

PORTABLE  
WELDING SOLUTIONS



Trusted by the best





# The WIA Inverter Series

**YOU'VE ASKED FOR IT & WE'VE DELIVERED.  
WIA'S RANGE OF INVERTER WELDING MACHINES ARE  
PORTABLE & EASY TO TRANSPORT FROM JOB TO JOB.**

Cost effective, power efficient and portable, WIA's inverters contribute to a more productive workplace.

## Selection Chart

### MIG & MULTI-PROCESS

MACHINE	RATED OUTPUT	PHASE	WEIGHT	TYPICAL APPLICATIONS
Weldmatic 200i	200 A at 24.5 V, 15% Duty Cycle	1	13kg	Rural Applications, Construction Sites, Automotive Panel Repair, Exhaust Repair.
Weldmatic 250i	250 A at 26.5 V, 20% Duty Cycle	1	25.5kg	
Weldmatic 350i	350 A at 31.5 V, 60% Duty Cycle	3	116kg (shipping weight)	Medium to Heavy Fabrication and General Industrial Fabrication.
Weldmatic 500i	500 A at 39 V, 60% Duty Cycle	3	133kg (shipping weight)	

### ARC & TIG

MACHINE	RATED OUTPUT	PHASE	WEIGHT	TYPICAL APPLICATIONS
Weldarc 140i	140 A at 25.6 V, 20% Duty Cycle	1	4.8kg	Onsite Maintenance.
Weldarc 180i	180 A at 27.2 V, 18% Duty Cycle	1	6.5kg	
Weldarc 200i AC/DC	200 A at 18 V, 15% Duty Cycle	1	21kg	



# Reliability & Performance Second to None!

ALL OF OUR INVERTER PRODUCTS ARE SUPPORTED BY A NEW ZEALAND WIDE SERVICE NETWORK, SO YOU CAN BE GUARANTEED YOU'RE BUYING RELIABILITY & PERFORMANCE.

**2 YEAR**  
**UNLIMITED WARRANTY**

\*Power Source Only

The Weldmatic 200i & 250i, Weldarc 180i, 140i & 200i AC/DC are backed with a 2 year unlimited warranty\*, covering parts and labour.

\*Power Source Only

**3 YEAR**  
**GOLD SHIELD WARRANTY**

The Weldmatic 350i & 500i are backed with WIA's industry leading 3 year warranty, covering parts and labour.





# MIG & Multi-Process

**RELIABLE & HIGH PERFORMING WELDING SOLUTIONS  
SUITABLE FOR MIG, STICK & LIFT ARC TIG WELDING**

- For operator safety, all of our MIG and Multi-process welders feature a built-in thermal protection device that will cut in if the machine is operated beyond its safe thermal operating zone.
- All WIA MIG and Multi-process machines suit gas shielded and flux cored wires.
- Built in VRD delivers added safety when operating in Stick or Lift-TIG mode and meets the requirements of site work. Fully compliant to Australian Standards AS60974.1 and AS1674.2 CAT C.

 **MIG & MULTI-PROCESS**

**1**  
Phase



## Weldmatic 200i

Part No: WIA200iPKG

✓ **GASLESS**

✓ **ALUMINIUM MIG**

✓ **MILD STEEL**

### 200 AMP SINGLE PHASE WELDER

With 200A of MIG, 170A of Stick and 200A of TIG capability the Weldmatic 200i is suitable for rural applications, construction sites, automotive panel repair and exhaust repair.

### EASY SET-UP & ADJUSTMENT

The control panel allows easy selection for gas and wire type, with infinitely variable voltage and wire speed, indicated on the digital display. A suggested setting chart allows the Weldmatic 200i to be setup quickly and easily.

### PACKAGE INCLUDES

- Euro Gun Cable (3m)
- Earth Lead (3m)
- Industrial Twist Lock Electrode Holder (3m)
- Gas Regulator
- Drive Rollers 0.6/0.8mm V Groove; 0.9/1.2mm Knurled (Gasless)
- Tips (0.6/0.8/0.9/1.2mm)
- ES6 Steel Sample Wire (0.8mm)

**SPOOL CAPACITY**  
Suits 1kg & 5kg spool.



### PORTABLE

At only 13kg, the Weldmatic 200i is lightweight and portable, making it suitable for onsite maintenance.

### QUICK & EASY GUN CABLE ASSEMBLY

Supplied with a tradesman quality gun and cable complete with euro connector for easy fitting and removal.

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	WIRE SIZE RANGE (MM)	SHIP. WEIGHT	MACHINE WEIGHT
240 Vac - 50/60 Hz	14 Amps	36 Amps	10 kVA	15 Amps	200 A at 24.5 V, 15% Duty Cycle 77 A at 17.9 V, 100% Duty Cycle	30 - 200 Amps	0.6 - 0.9 solid 0.8 - 1.2 cored 1.0 aluminium	20kg	13kg





# Weldmatic 250i

Part No: WIA250iPKG

**NEW RELEASE**

 **GASLESS**

 **ALUMINIUM MIG**

 **MILD STEEL**

**250 AMP SINGLE PHASE WELDER**

With 250A of MIG, the Weldmatic 250i is suitable for rural applications, construction sites, automotive panel repair and exhaust repair.

**EASY SET-UP & ADJUSTMENT**

The control panel allows easy selection for gas and wire type, with infinitely variable voltage and wire speed, indicated on the digital display.

**PACKAGE INCLUDES**

- Euro Gun Cable (3.6m)

➤ Earth Lead (3m)

➤ Industrial Twist Lock Electrode Holder (3m)
- Gas Regulator

➤ Drive Rollers – 0.9/1.2mm V Groove, 0.9/1.2mm Knurled (Gasless)

➤ Tips (0.6/0.8/0.9/1.2mm)

**SPOOL CAPACITY**

Suits 5kg & 15kg spool.

**PORTABLE**

At 25.5kg, the Weldmatic 250i is portable and comes supplied with 2 handles for easy two person lift, making it suitable for onsite maintenance.

**QUICK & EASY GUN CABLE ASSEMBLY**

Supplied with a tradesman quality gun and cable complete with euro connector for easy fitting and removal.



PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR KVA	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	WIRE SIZE RANGE (MM)	SHIPPING WEIGHT	MACHINE WEIGHT
240 Vac - 50/60 Hz	20.2 Amps	45 Amps	13 kVA	15 Amps*	250 A at 26.5 V, 20% Duty Cycle 112 A at 19.6 V, 100% Duty Cycle	30 - 250 Amps	0.6 - 0.9 solid 0.8 - 1.2 cored 1.0 aluminium	36kg	25.5kg

\*15 Amp plug for commissioning purposes only.





# Weldmatic 350i

- ✓ ALUMINIUM MIG
- ✓ ARC AIR GOUGING
- ✓ STEEL
- ✓ CORED WIRE



NEW RELEASE!

FITTED WITH 32A  
3 PHASE PLUG

350 AMPS  
OF GENUINE RATED POWER

VOLTAGE SENSING  
WIREFEEDER COMPATIBILITY

Part No: WIA350iPKG - [Package with W66 Wirefeeder and Trolley with Drawer]

PACKAGE INCLUDES

- > W66 4 Roll Drive Wirefeeder
- > Industrial Twist Lock Electrode Holder (3m)
- > Gas Regulator
- > Drive Rollers – 0.9/1.2 & 1.2/1.6mm, V Groove 0.9/1.2 & 1.2/1.6mm Knurled
- > Euro Gun Cable (3.6m) With Bernard Centerfire 0.9mm Tip
- > Interconnecting Lead (10m)
- > Earth Lead (10m)

350 AMP  
3 PHASE WELDER

Ideal for medium to heavy fabrication, and all general industrial fabrication applications.

FLEXIBILITY  
& POWER

Optimal weld characteristics provide high quality results on steel, stainless steel and aluminium, plus the power to comfortably run all popular sizes of solid and flux cored wires.

With the capacity to run 1.6mm flux cored wire, the 350i can handle a wide range of applications.

VARIABLE  
ARC CONTROL

The package features allow full control of the arc. Infinite Voltage control and Arc control to adjust arc harshness, and Arc Start to control the wire starting speed.

SPOOL CAPACITY

Suits 5kg & 15kg spool.

3 YEAR  
GOLD SHIELD  
WARRANTY

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	WIRE / ELECTRODE SIZE RANGE (MM)	SHIPPING WEIGHT
380/415 Vac - 50/60Hz 3 Phase	19.4 Amps	25 Amps	15 kVA	Stick (MMA) - 350 A at 34 V, 60% Duty Cycle 271 A at 30.8 V, 100% Duty Cycle	25 - 350 Amps	Carbon Arc Max. 6mm	116kg
				TIG - 350 A at 24 V, 60% Duty Cycle 271 A at 20.8 V, 100% Duty Cycle			
				MIG - 350 A at 31.5 V, 60% Duty Cycle 271 A at 27.6 V, 100% Duty Cycle		0.9-1.6 solid 0.9-1.6 cored	




# Weldmatic 500i

- ✓ ALUMINIUM MIG
- ✓ ARC AIR GOUGING
- ✓ STEEL
- ✓ CORED WIRE



NEW RELEASE!

 FITTED WITH 32A 3 PHASE PLUG

500 AMPS  
OF GENUINE RATED POWER

VOLTAGE SENSING  
WIREFEEDER COMPATIBILITY

Part No: WIA500iPKG - [Package with W65 Wirefeeder and Trolley with Drawer]

PACKAGE INCLUDES

➤ W65 4 Roll Drive Heavy Duty Wirefeeder

➤ Euro Gun Cable (3.6m) with Bernard Centerfire 0.9mm Tip

➤ Industrial Twist Lock Electrode Holder (3m)

➤ Drive Rollers – 0.9/1.2 & 1.2/1.6mm V Groove, 0.9/1.2 & 1.2/1.6mm Knurled

➤ Interconnecting Lead (10m)

➤ Earth Lead (10m) with Heavy Duty G Clamp

➤ Gas Regulator

500 AMP 3 PHASE WELDER

Ideal for medium to heavy fabrication, and all general industrial fabrication applications.

FLEXIBILITY & POWER

Optimal weld characteristics provide high quality results on steel, stainless steel and aluminium, plus the power to comfortably run all popular sizes of solid and flux cored wires. With the capacity to run 1.6mm flux cored wire, the 500i can handle a wide range of applications.

VARIABLE ARC CONTROL

The package features allow full control of the arc. Infinite Voltage control and Arc control to adjust arc harshness, and Arc Start to control the wire starting speed.

3 YEAR GOLD SHIELD WARRANTY

DIGITAL METERS

Digital Volt and Amp meters retain last weld information and allow precise set-up.

SPOOL CAPACITY

Suits 5kg & 15kg spool.

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	WIRE / ELECTRODE SIZE RANGE (MM)	SHIPPING WEIGHT
380/415 Vac - 50/60Hz 3 Phase	28.7 Amps	37 Amps	25 kVA	Stick (MMA) - 490 A at 39.6 V, 60% Duty Cycle 387 A at 33.4 V, 100% Duty Cycle	37 - 500 Amps	Carbon Arc Max. 8mm	133kg
				TIG - 500 A at 30 V, 60% Duty Cycle 387 A at 25.5 V, 100% Duty Cycle			
				MIG - 500 A at 39 V 60% Duty Cycle 387 A at 33.4 V 100% Duty Cycle		0.9 - 1.6 solid 0.9 - 1.6 cored	



# Arc & TIG Inverters

## RELIABLE, PORTABLE & COMPACT FOR ONSITE & FIELD MAINTENANCE

- Generator compatible – tolerant to unconditioned power from generators.
- Built-in operator safety.
- Hot Start for manual arc – for even better arc starting.
- Arc Force – constantly monitors arc voltage and boosts output if low arc voltage occurs.
- Lift Arc TIG Start – eliminates scratch starting and tungsten electrode damage.

ARC & TIG

1  
Phase



# Weldarc 140i

Part No: WIA140iPKG

✓ STICK WELDING

✓ TIG WELDING (DC)

✓ LIFT ARC START

### WELDARC 140i KEY FEATURES

- 140 Amp Arc & TIG welder
- Suits 2.0 - 3.2mm electrodes
- Includes padded shoulder strap
- Compact, lightweight design
- Suits long extension leads

### PACKAGE INCLUDES

- Earth Lead (2m) With Heavy Duty Clamp
- Industrial Twist Lock Electrode Holder (3m)
- Padded Shoulder Strap

### OPTIONAL VRD

The 140i is supplied with the VRD option disabled. If VRD is required, it can be enabled by an authorised WIA Service Agent. When activated, VRD delivers added safety when operating in Stick mode and meets the requirements of site work. Fully compliant to Australian Standards AS60974.1 & AS1674.2 CAT C.

### 10 AMP PLUG

Comes with a 10 Amp plug to suit common power supply outlets, making on-site maintenance easy and convenient.

### CELLULOSE ELECTRODES

The combined feature of “Arc Force”, “Hot Start” and high open circuit voltage capability allows the use of Cellulose electrodes.

### PORTABLE

At only 4.8kg, the Weldarc 140i can go wherever the job takes you, making it ideal for onsite maintenance.



PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	ELECTRODE SIZE RANGE (MM)	SHIPPING INFO	MACHINE WEIGHT
240 Vac - 50/60 Hz	10 Amps	22 Amps	6 kVA	10 Amps	140 A at 25.6 V, 20% Duty Cycle 62 A at 22.5 V, 100% Duty Cycle	20 - 140 Amps	2.0 - 3.2	7kg H: 320mm W: 220mm L: 440mm	4.8kg





ARC & TIG

1  
Phase



# Weldarc 180i

Part No: WIA180iPKG

✓ STICK WELDING

✓ TIG WELDING (DC)

## WELDARC 180i KEY FEATURES

- > 180 Amp Arc & TIG welder
- > Compact, lightweight design
- > Suits 2.0 - 4.0mm electrodes
- > 15A 240 VAC supply
- > Suits long extension leads
- > Includes padded shoulder strap and carry case

## VRD

A built in VRD (Voltage Reduction Device) delivers added safety when operating in Stick or Lift-TIG mode and meets the requirements of site work. Fully compliant to Australian Standards AS 60974.1 and AS1674.2 CAT C.

## PORTABLE

At only 6.5kg, the Weldarc 180i can go wherever the job takes you, making it ideal for onsite maintenance.

## CELLULOSE ELECTRODES

The combined feature of "Arc Force", "Hot Start" and high open circuit voltage capability allows the use of Cellulose electrodes.

## PACKAGE INCLUDES

- > Earth Lead (2m) With Heavy Duty Clamp
- > Industrial Twist Lock Electrode Holder (3m)
- > Padded Shoulder Strap
- > Carry Case



PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	ELECTRODE SIZE RANGE (MM)	SHIPPING WEIGHT	MACHINE WEIGHT
240 Vac - 50/60 Hz	15 Amps	35 Amps	10 kVA	15 Amps	180 A at 27.2 V, 18% Duty Cycle 76 A at 23.2 V, 100% Duty Cycle	20 - 180 Amps	2.0 2.5 3.2 4.0	11kg	6.5kg



# Weldarc 200i AC/DC

Part No: WIA200ACDCPKG

- ✓ ALUMINIUM TIG WELDING
- ✓ HF PULSE START
- ✓ STICK



## NEW RELEASE!

- ### KEY FEATURES
- 200 Amp AC or DC TIG
  - AC TIG for Aluminium
  - 170 Amp Stick welder
  - HF Pulse start or Lift Arc start
  - Pulse TIG
  - Suits 2.0 - 4.0mm electrodes
  - 15 Amp supply plug

### 8M TIG TORCH WITH TRIGGER & CURRENT CONTROL

#### DC TIG

DC TIG can be used for all steel, stainless steel, copper and alloys, titanium. When welding in DC current HF Pulse start allows easy not contact starts for critical applications.

#### AC TIG

AC can be used specifically for TIG welding aluminium and aluminium alloys. The balance between positive and negative can be adjusted to control the amount of oxide cleaning or a more penetrating weld. When welding in AC current HF pulse start allows easy arc starting when welding aluminium.

#### HF PULSE START

HF Pulse is a non-contact arc starting method allowing easy arc start without the interference problems with conventional HF and eliminates tungsten contamination. Available in AC or DC TIG mode.

#### PACKAGE INCLUDES

- Earth Lead (3m)
- Industrial Twist Lock Electrode Holder (3m)
- TIG Torch with in-built trigger and current control (8m)
- Gas Regulator

#### VRD

A built in VRD (Voltage Reduction Device) delivers added safety when operating in Stick or Lift-TIG mode and meets the requirements of site work. Fully compliant to Australian Standards AS 60974.1 and AS1674.2 CAT C.

#### PULSE TIG

The Pulse TIG features allows the user to adjust current peak and pulse frequency. Pulse TIG reduces heat input to material but still allowing filler metal melt, and maintains good penetration. Useful on thin materials, and near edges.

#### PORTABLE

At 21kg, the Weldarc 200i can go wherever the job takes you, making it suitable for onsite maintenance.

#### INTEGRATED GAS VALVE

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	ELECTRODE SIZE RANGE (MM)	SHIPPING WEIGHT	MACHINE WEIGHT
240 Vac - 50/60 Hz	13 Amps	34 Amps	10 kVA	15 Amps	Stick MMA - 170 A at 26.8 V, 15% Duty Cycle 66 A at 22.6 V, 100% Duty Cycle	5 - 170 Amps	2.0 2.5 3.2	31kg	21kg
					TIG - 200 A at 18 V, 15% Duty Cycle 77 A at 13.1 V, 100% Duty Cycle	5 - 200 Amps	4.0		

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## CONTACT

P 0800 WELDWELL

F 06 8341 604

E [ndcsales@weldwell.co.nz](mailto:ndcsales@weldwell.co.nz)

[weldwell.co.nz](http://weldwell.co.nz)



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