

**WELD STAR**

**INFINIUM**



**50** A family business  
engineered through  
generations since 1971

**WILKINSON STAR**  
[wilkinsonstar247.com](http://wilkinsonstar247.com)

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**5** | YEAR   
WARRANTY

Order Code:  
**WS-MU4-1**

**5** | YEAR WARRANTY

**INFINIUM 4 IN 1 MULTI  
PROCESS WELDER LCD 200A**

The Weld Star Infinium inverter multi process machine has been designed to incorporate the most advanced features and technology offering the operator a user friendly interface via the 5" LCD screen.

**Welding processes include:**

MIG/MAG Synergic, MIG/MAG Pulse, MIG/MAG Standard, TIG AC (HF/LIFT), TIG DC (HF/LIFT), MMA AC, MMA AC DC



**Featuring MIG Pulse Technology**

**AC/DC HF TIG**

**Synergic MIG**

**Colour Screen**

**COMPLETE WITH**

- T240-3 3mtr MIG Torch
- T26-4 4mtr TIG Torch
- Gas Regulator
- Gas Hose
- Work Return Lead and Clamp

**OPTIONAL**

- 2 Wheel Trolley



## KEY FEATURES

- Advanced IGBT multi process inverter which is lightweight and compact.
- Many user functions such as accurate preset current and voltage adjustment, Pulse, 2T/4T, spot operation trigger modes, synergic mode, pre-set gas selection, wire diameter selection, electronic inductance adjustment and on-demand fan are available.
- With synergic MIG, welding parameters can be automatically selected based on material thickness and voltage with synergic curves for common materials and wires.
- Designed for gas and gasless MIG welding wires.
- Built in TIG welding features such as HF or Lift TIG, pre/post gas times, 2T/4T, slope up/down and pulse, all to ensure excellent TIG welding characteristics.
- Built in hot start arc ignition function which ensures excellent arc ignition in MMA for easier and more reliable arc starting with built in self adaptive arc force technology which maintains the optimum MMA arc conditions during operation even with long welding cables
- DC and AC MMA suitable for a wide range of electrodes in MMA
- In-built VRD (MMA and TIG mode only)
- Auto compensation for mains voltage fluctuation with automatic protective functions including over-current, overload etc.
- Trolley - optional accessory
- 5 year warranty

## TECHNICAL DATA - WS-MU4-1

Input Voltage	<b>AC110V ±15%</b> <b>50/60Hz</b>	<b>AC230V±15%</b> <b>50/60Hz</b>
I <sub>eff</sub> (A)	MIG <b>17.5</b> TIG AC <b>16</b> / DC <b>16</b> MMA AC <b>18.2</b> / DC <b>19.7</b>	MIG <b>14</b> TIG AC <b>10</b> / DC <b>11</b> MMA AC <b>15</b> / DC <b>17</b>
Input Power (kVA)	<b>4.5</b>	<b>7.5</b>
Current Range (A)	MIG <b>10 - 140</b> MMA <b>5 - 130</b> TIG <b>10 - 160</b>	MIG <b>40 - 200</b> MMA <b>5 - 200</b> TIG <b>5 - 200</b>
No-Load Voltage (V)	MIG <b>28</b> MMA <b>75</b> TIG <b>75</b>	
Duty Cycle @ 40°C	<b>200A @ 25%</b>	
Efficiency (%)	<b>85</b>	
Idle State Power (w)	<b>30</b>	
Power Factor	<b>0.99</b>	
Protection/Insulation Class	<b>IP23/H</b>	
Wire reel weight/spool size	<b>5kg / 200mm</b>	
Dimensions (LxWxH mm)	<b>660 X 210 X 330</b>	
Weight (Kg)	<b>20</b>	

Order Code:  
**WS-350P**

**5** | YEAR   
WARRANTY

**INFINIUM DOUBLE PULSE  
WELDER LCD 350A**

The Weld Star Infinium inverter multi process machine has been designed to incorporate the most advanced features and technology offering the operator a user friendly interface via the 5" LCD screen.

**Available as a stand alone air cooled package or fitted to a trolley with either a water cooler or storage box.**

**Welding processes include:**

MIG/MAG Synergic, MIG/MAG Pulse, MIG/MAG Double Pulse, MIG Standard, LIFT TIG DC, MMA DC



**Featuring MIG Double Pulse Technology**

**Synergic MIG**

**LCD Screen**

**COMPLETE WITH**

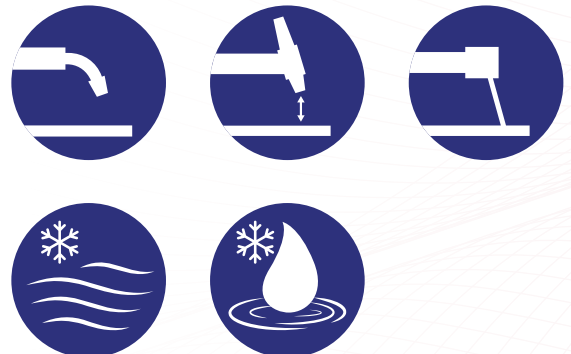
- T36-4 4mtr MIG Torch
- Gas Regulator
- Gas Hose
- Work Return Lead and Clamp

**OPTIONAL**

Trolley

**Order Code: ZXWS-M350-TD**

Power Source, Drawer (Storage Box), MIG Torch and Trolley



**Order Code: ZXWS-M350-WC**

Power Source, Water Cooler, MIG Torch and Trolley

## KEY FEATURES

- Advanced IGBT multi process inverter which is lightweight and compact.
- Many user functions such as accurate preset current and voltage adjustment, Pulse, 2T/4T and spot operation trigger modes, synergic mode, gas selection, wire diameter selection, electronic inductance adjustment and on-demand fan are available.
- With synergic MIG, welding parameters can be automatically selected based on material thickness and voltage with synergic curves for common materials and wires.
- Job mode which allows the operator to save and recall 100 jobs within its memory.
- Designed for gas and gasless MIG welding wires.
- MIG Spool Gun connectivity.
- Built in TIG welding features such as Lift TIG, pre/post gas times, 2T/4T, slope up/down and pulse, all to ensure excellent TIG welding characteristics.
- Built in hot start arc ignition function which ensures excellent arc ignition in MMA for easier and more reliable arc starting with built in self adaptive arc force technology which maintains the optimum MMA arc conditions during operation even with long welding cables
- DC MMA suitable for a wide range of electrodes in MMA
- In-built VRD (MMA and TIG mode only)
- Auto compensation for mains voltage fluctuation with automatic protective functions including over-current, overload etc.
- 5 year warranty

## TECHNICAL DATA - WS-350P

Input Voltage	<b>AC 400V ±15% 50/60Hz</b>
I <sub>eff</sub> (A)	<b>MIG 11.3 MMA 12.4 TIG 9.3</b>
Input Power (kVA)	<b>MIG 7.8 MMA 8.6 TIG 6.5</b>
Current Range (A)	<b>MIG 20 - 350 MMA 10 - 350 TIG 10 - 350</b>
No-Load Voltage (V)	<b>MIG 14 MMA 14 TIG 72</b>
Duty Cycle @ 40°C	<b>350A @ 30%</b>
Efficiency (%)	<b>85</b>
Idle State Power (w)	<b>25</b>
Power Factor	<b>0.7</b>
Protection/Insulation Class	<b>IP23/H</b>
Wire reel weight/spool size	<b>5kg / 200mm and 15kg / 300mm</b>
Dimensions (LxWxH mm)	Air Cooled: <b>660 X 250 X 425</b> Water Cooled: <b>1200 X 380 X 600</b>
Weight (Kg)	Air Cooled: <b>27.9</b> Water Cooled: <b>48.0</b>

Order Code:  
**WS-PC40**

**5** YEAR WARRANTY

## INFINIUM AIR PLASMA CUTTER 40

The Weld Star Infinium dual voltage inverter plasma cutting machine range with built-in compressor has been designed as an integrated portable cutting machine which incorporate the most advanced IGBT inverter technology.



**Non HF Pilot Start**

**Featuring In-built Air Compressor**

**Dual Voltage**

### COMPLETE WITH

TH-35 4mtr Plasma Torch  
Air Regulator  
Work Return Lead  
Air Hose



## KEY FEATURES

- The PC40 is a compact, lightweight and portable inverter based plasma cutting machine with an in-built air compressor that offers excellent operator flexibility.
- Advanced, high efficiency plasma systems that offer flexible portability along with smooth and precise cutting characteristics that is ideal when cutting steel, stainless, copper, cast iron as well as aluminium.
- The Weld Star Infinium plasma range offers the flexibility of switching between the in-built compressor or using your own workshop supplied compressed air.
- Clean cut of 12mm and a severance cut of 16mm. Based on mild steel using workshop compressed air.
- Auto pilot restart allows for faster restarting of the pilot arc which allows for uninterrupted cutting of grid or perforated type material.
- Plasma cutting speeds can be up to 1.8 times faster when compared with oxy acetylene cutting.
- Advanced non HF pilot arc ignition via the supplied plasma cutting torch.
- The single carry handle offers excellent portability when working or maneuvering on site or in the workshop.
- User friendly operator control panels.
- Generator friendly (with built-in AVR).
- Optional circle cutting guide kit available.
- 5 year warranty

## TECHNICAL DATA - WS-PC40

Input Voltage	<b>110V AC ±15% 50/60Hz</b>		<b>230V AC ±15% 50/60Hz</b>	
I <sub>eff</sub> (A)	<b>20.4</b>		<b>16</b>	
Input Power (kVA)	<b>3.8</b>		<b>5.2</b>	
Cutting Current Range (A)	<b>20 - 30</b>		<b>20 - 40</b>	
No-Load Voltage (V)	<b>400</b>			
Duty Cycle @ 40°C	<b>30A@35% 22A@60% 20A@100%</b>		<b>40A@35% 36A@60% 30A@100%</b>	
	Internal Air	External Air	Internal Air	External Air
Clean Cut (mm)	<b>5</b>	<b>6</b>	<b>10</b>	<b>12</b>
Severance Cut (mm)	<b>6</b>	<b>8</b>	<b>14</b>	<b>16</b>
Min/Max air pressure (external)	<b>5 Bar (75psi) / 6 Bar (87psi)</b>			
Minimum gas flow (external air)	<b>4.5CFM 120 Ltr/min</b>			
Efficiency (%)	<b>85</b>			
Idle State Power (w)	<b>11</b>			
Power Factor	<b>0.99</b>			
Protection/Insulation Class	<b>IP23S/H</b>			
Dimensions (LxWxH mm)	<b>610 X 215 X 420</b>			
Weight (Kg)	<b>21</b>			

Order Code:  
**WS-PC65**

**5** | YEAR   
WARRANTY

**INFINIUM AIR PLASMA CUTTER 65**

The Weld Star Infinium inverter plasma cutting machine range with built-in compressor has been designed as an integrated portable cutting machine which incorporate the most advanced IGBT inverter technology.



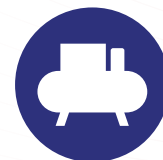
**Non HF Pilot Start**

**Featuring In-built Air Compressor**

**Clean Cut of 25mm**

**COMPLETE WITH**

- UPH-125 6mtr Plasma Torch
- Air Regulator
- Work Return Lead
- Air Hose



## KEY FEATURES

- The PC65 plasma cutting machines offers excellent operator flexibility with an in-built air compressor while mounted on a trolley for easier movement.
- Advanced, high efficiency plasma systems that offer flexible portability along with smooth and precise cutting characteristics that is ideal when cutting steel, stainless, copper, cast iron as well as aluminium.
- The Weld Star Infinium plasma range offers the flexibility of switching between the in-built compressor or using your own workshop supplied compressed air.
- Clean cut of 25mm and a severance cut of 35mm based on mild steel using workshop compressed air
- Auto pilot restart allows for faster restarting of the pilot arc which allows for uninterrupted cutting of grid or perforated type material.
- Plasma cutting speeds can be up to 1.8 times faster when compared with oxy acetylene cutting.
- Advanced non HF pilot arc ignition via the supplied plasma cutting torch.
- The trolley offers excellent portability when working or maneuvering on site or in the workshop.
- User friendly operator control panels.
- Generator friendly (with built-in AVR).
- Optional circle cutting guide kit available.
- 5 year warranty

## TECHNICAL DATA - WS-PC65

Input Voltage	<b>400V AC ±15% 50/60Hz</b>	
I <sub>eff</sub> (A)	<b>17.1</b>	
Input Power (kVA)	<b>12.4</b>	
Cutting Current Range (A)	<b>20 - 65</b>	
No-Load Voltage (V)	<b>450</b>	
Duty Cycle @ 40°C	<b>65A@90% 61A@100%</b>	
	Internal Air	External Air
Clean Cut (mm)	<b>20</b>	<b>25</b>
Severance Cut (mm)	<b>25</b>	<b>30</b>
Min/Max air pressure (external)	<b>5.2 Bar (75psi) / 8 Bar (116psi)</b>	
Minimum gas flow (external air)	<b>7.1CFM 200 Ltr/min</b>	
Efficiency (%)	<b>85</b>	
Idle State Power (w)	<b>22</b>	
Power Factor	<b>0.99</b>	
Protection/Insulation Class	<b>IP23S/H</b>	
Dimensions (LxWxH mm)	Without Trolley: <b>790 x 245 x 610</b> With Trolley: <b>930 x 330 x 775</b>	
Weight (Kg)	<b>56</b>	

Order Code:  
**WS-PC120**

**5** | YEAR   
WARRANTY

## INFINIUM AIR PLASMA CUTTER 120

The Weld Star Infinium inverter plasma cutting machine range with built-in compressor has been designed as integrated portable cutting machines which incorporate the most advanced IGBT inverter technology.



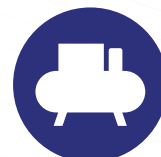
**Non HF Pilot Start**

**Featuring In-built Air Compressor**

**Clean Cut of 35mm**

### COMPLETE WITH

UPH-125 6mtr Plasma Torch  
Air Regulator  
Work Return Lead  
Air Hose



## KEY FEATURES

- The PC120 plasma cutting machine offers excellent operator flexibility with an in-built air compressor while mounted on a trolley for easier movement.
- Advanced, high efficiency plasma systems that offer flexible portability along with smooth and precise cutting characteristics that is ideal when cutting steel, stainless, copper, cast iron as well as aluminium.
- The Weld Star Infinium plasma range offers the flexibility of switching between the in-built compressor or using your own workshop supplied compressed air.
- Clean cut of 35mm and a severance cut of 40mm. Based on mild steel using workshop compressed air
- Auto pilot restart allows for faster restarting of the pilot arc which allows for uninterrupted cutting of grid or perforated type material.
- Plasma cutting speeds can be up to 1.8 times faster when compared with oxy acetylene cutting.
- Advanced non HF pilot arc ignition via the supplied plasma cutting torch.
- The trolley offers excellent portability when working or maneuvering on site or in the workshop.
- User friendly operator control panels.
- Generator friendly (with built-in AVR).
- Optional circle cutting guide kit available.
- 5 year warranty

## TECHNICAL DATA - WS-PC120

Input Voltage	<b>400V AC ±15% 50/60Hz</b>	
I <sub>eff</sub> (A)	<b>26</b>	
Input Power (kVA)	<b>23.5</b>	
Cutting Current Range (A)	<b>20 - 120</b>	
No-Load Voltage (V)	<b>420</b>	
Duty Cycle @ 40°C	<b>120A@60% 100A@100%</b>	
	Internal Air	External Air
Clean Cut (mm)	<b>30</b>	<b>35</b>
Severance Cut (mm)	<b>35</b>	<b>40</b>
Min/Max air pressure (external)	<b>5.2 Bar (75psi) / 8 Bar (116psi)</b>	
Minimum gas flow (external air)	<b>7.1CFM 200 Ltr/min</b>	
Efficiency (%)	<b>85</b>	
Idle State Power (w)	<b>22</b>	
Power Factor	<b>0.99</b>	
Protection/Insulation Class	<b>IP23S/H</b>	
Dimensions (LxWxH mm)	Without Trolley: <b>790 x 245 x 610</b> With Trolley: <b>930 x 330 x 775</b>	
Weight (Kg)	<b>60</b>	

WELD STAR |  INFINIUM



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