

# NEWARC

Powered by **Weldability**



## Product Catalogue

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[www.newarc.co.uk](http://www.newarc.co.uk)





## What makes Newarc different?

With a rich history spanning 50 years in the UK, Newarc has established itself as a trusted manufacturer of welding machines and company supplies distributors in industries such as oil & gas, construction, and precision engineering.

- Hand built in the United Kingdom
- 100% duty cycle on core range
- 5 Year Warranty (Parts & Labour)
- 24-hour on-site repair or replace with a new machine until your one is fixed (UK & EIRE)
- Free on-site demonstrations
- Available from stock
- Onsite calibration / validation service



## Icon Key



5 Year No Quibble Warranty



Made in Britain



MMA / MIG / TIG



Constant Current / Constant Voltage



Input Power Source



100% Club / 100% Duty Cycle



Arc Force



Hot Start



Use with our wire spools (Example: spool size 208mm and 300mm)



Generator Friendly



Cellulosic Capability



High Frequency



Pulse



**100**

Check out our unique 100% duty cycle air cooled welding machines!

## Product Overview

|             | Accessories          | RC300                                   | RCP300                                  | Viper 2000                                  | Viper 2500S                                             | T300                               |
|-------------|----------------------|-----------------------------------------|-----------------------------------------|---------------------------------------------|---------------------------------------------------------|------------------------------------|
|             | Feature              | Remote extension to the current control | Pulse-TIG add-on for TIG power sources. | TIG HF ignition system for DC power sources | MMA/TIG extension with HF ignition for DC power sources | MMA/TIG extension with HF ignition |
|             | Generator compatible | X                                       | X                                       | ✓                                           | ✓                                                       | X                                  |
| R1500       | ✓                    | X                                       | X                                       | X                                           | X                                                       | X                                  |
| RT2000      | ✓                    | ✓                                       | ✓                                       | X                                           | X                                                       | X                                  |
| RT2500      | ✓                    | ✓                                       | ✓                                       | X                                           | X                                                       | X                                  |
| R4000CC**   | ✓                    | ✓                                       | X                                       | ✓                                           | ✓                                                       | ✓                                  |
| R4000CCCV** | ✓                    | ✓                                       | X                                       | ✓                                           | ✓                                                       | ✓                                  |
| MIG400*     | ✓                    | X                                       | X                                       | X                                           | X                                                       | X                                  |
| RT4000**    | ✓                    | ✓                                       | ✓                                       | ✓                                           | ✓                                                       | ✓                                  |
| R7000CC     | ✓                    | ✓                                       | X                                       | ✓                                           | ✓                                                       | ✓                                  |

| WFU12-4C                   | WFU8A-RV Suitcase Feeder    | WFU8A-ILS Suitcase Feeder   | WFU12-RV Suitcase Feeder    | WFU12-ILS Suitcase Feeder   | CU20         | Trolley |
|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------|---------|
| Machine Mounted MIG Feeder | Mig In-line Suitcase Feeder | Mig In-line Suitcase Feeder | Mig In-line Suitcase Feeder | Mig In-line Suitcase Feeder | Water cooler | Trolley |
| X                          | X                           | ✓                           | X                           | ✓                           | X            | X       |
| X                          | X                           | X                           | X                           | X                           | X            | X       |
| X                          | X                           | X                           | X                           | X                           | X            | X       |
| X                          | X                           | ✓                           | X                           | ✓                           | X            | ✓       |
| ✓                          | ✓                           | ✓                           | ✓                           | ✓                           | ✓            | ✓       |
| ✓                          | ✓                           | X                           | ✓                           | X                           | ✓            | ✓       |
| X                          | X                           | ✓                           | X                           | ✓                           | ✓            | ✓       |
| X                          | X                           | ✓                           | X                           | ✓                           | X            | ✓       |

\*500A option available

\*\*500A and 700A options available





## R1500 - 150A Dual Voltage MMA



- Digital display
- Built-in hot start, anti sticking & arc force
- Lift TIG functionality



### Technical Specifications

| R1500                       |                 |
|-----------------------------|-----------------|
| MIG                         | X               |
| TIG                         | X               |
| MMA                         | ✓               |
| Input Voltage Range         | 110/230 Dual    |
| Input Phase                 | 1               |
| Mains Frequency (hz)        | 50/60           |
| Rated Input Current         | 44/28A          |
| Power Factor                | 0.68            |
| Open Circuit Voltage        | 75V             |
| Output Current Range        | 15-150A         |
| Duty Cycle@40°C             | 100%            |
| Dimensions (mm) (H X W X L) | 310 X 165 X 420 |
| Weight (kg)                 | 13              |
| Insulation Class            | IP21            |
| Part Number                 | NA9910206       |

### Additional Options

| Option                            | Part Number |
|-----------------------------------|-------------|
| 5m x 35mm Earth Cable             | NAM91005    |
| 5m x 35mm Electrode Lead          | NAM91002    |
| Other cable lengths are available | POA         |

## R7000CC - 700A Constant Current MMA with Cellulosic Capacity



- Digital display
- Built-in hot start, anti sticking & arc force
- Cellulosic capability i.e 6010
- Constant current
- Can power up to three Viper 2500s
- CC/CV option available
- Multi-process, TIG & MIG versions available



### Technical Specifications

| R7000CC                     |                 |
|-----------------------------|-----------------|
| MIG                         | ✓               |
| TIG                         | TIG with T300   |
| MMA                         | ✓               |
| Input Voltage Range         | 360-480V        |
| Input Phase                 | 3               |
| Mains Frequency (hz)        | 50/60           |
| Rated Input Current         | 49A             |
| Power Factor                | >0.95           |
| Open Circuit Voltage        | >90V            |
| Output Current Range        | 30-700A         |
| Duty Cycle@40°C             | 70%             |
| Dimensions (mm) (H X W X L) | 450 X 310 X 570 |
| Weight (kg)                 | 40              |
| Insulation Class            | IP21            |
| Part Number                 | NA9910211       |

### Additional Options

| Option                            | Part Number |
|-----------------------------------|-------------|
| Casters Assembly Kit              | NAM91185    |
| Water-Cooled Unit                 | NA9910502   |
| RC300 Remote Current Control      | NA9910701   |
| 5m x 35mm Earth Cable             | NAM91005    |
| 5m x 35mm Electrode Lead          | NAM91002    |
| Other cable lengths are available | POA         |
| Wire Feed Unit (WFU12-4C)         | NA9910502   |

### Package Options

| Option (Water Cooled)                                                                        | Part Number  |
|----------------------------------------------------------------------------------------------|--------------|
| R7000, Water Cooler, Wire Feed Unit, Voltage Correction, MF37, Interconnection & Earth cable | NA9910212RTW |
| 5m x 50mm Earth Cable                                                                        | NAM91006     |
| 5m x 50mm MIG IC Water Sheathed                                                              | NAM91044S    |
| Other cable lengths are available                                                            | POA          |
| Torch MB36 4m ERGO                                                                           | NA010144     |





## R4000CC - 400A Constant Current MMA with Cellulosic Capacity



- Digital display
- Built-in hot start, anti sticking & arc force
- Cellulosic capability i.e 6010
- Constant Current
- 110V outlet socket at rear of power source available as an option
- 500A and 700A option available



### Technical Specifications

| R4000CC                     |                 |
|-----------------------------|-----------------|
| MIG                         | ✓               |
| TIG                         | TIG with T300   |
| MMA                         | ✓               |
| Input Voltage Range         | 380-480V        |
| Input Phase                 | 3               |
| Mains Frequency (hz)        | 50/60           |
| Rated Input Current         | 24A             |
| Power Factor                | >0.95           |
| Open Circuit Voltage        | >80V            |
| Output Current Range        | 20-400A         |
| Duty Cycle@40°C             | 100%            |
| Dimensions (mm) (H X W X L) | 450 X 310 X 570 |
| Weight (kg)                 | 33              |
| Insulation Class            | IP21            |
| Part Number                 | NA9910212       |

### Additional Options

| Option                            | Part Number |
|-----------------------------------|-------------|
| Casters Assembly Kit              | NAM91185    |
| Water-Cooled Unit                 | NA9910502   |
| RC300 Remote Current Control      | NA9910701   |
| 5m x 35mm Earth Cable             | NAM91005    |
| 5m x 35mm Electrode Lead          | NAM91002    |
| Other cable lengths are available | POA         |
| Wire Feed Unit (WFU12-4C)         | NA9910502   |



## R4000CCCV - 400A Constant Current / Constant Voltage with Cellulosic

## Best Selling Product



- Digital display
- Built-in hot start, anti sticking & arc force
- Inductance & arc trim function
- Safety circuits protects against overloading
- Cellulosic capability i.e 6010
- Constant current / constant voltage
- 110V outlet socket at rear of power source available as an option
- High Frequency Ignition
- 500A and 700A option available



### Technical Specifications

| R4000CCCV                   |                      |
|-----------------------------|----------------------|
| MIG                         | ✓                    |
| TIG                         | TIG with T300        |
| MMA                         | ✓                    |
| Input Voltage Range         | 380-480V             |
| Input Phase                 | 3                    |
| Mains Frequency (hz)        | 50/60                |
| Rated Input Current         | 24A                  |
| Power Factor                | >0.95                |
| Open Circuit Voltage        | 2-40V MIG / >80V MMA |
| Output Current Range        | 20-400A              |
| Duty Cycle@40°C             | 100%                 |
| Dimensions (mm) (H X W X L) | 450 X 310 X 570      |
| Weight (kg)                 | 33                   |
| Insulation Class            | IP21                 |
| Part Number                 | NA9910400            |

### Additional Options

| Option                            | Part Number |
|-----------------------------------|-------------|
| Trolley                           | NA9910802   |
| Casters Assembly Kit              | NAM91185    |
| Water-Cooled Unit                 | NA9910502   |
| RC300 Remote Current Control      | NA9910701   |
| 5m x 35mm Earth Cable             | NAM91005    |
| 5m x 35mm Electrode Lead          | NAM91002    |
| Other cable lengths are available | POA         |
| Wire Feed Unit (WFU12-4C)         | NA9910502   |



## MIG400 - 400A MIG Machine



- Digital display
- 4 roll wire drive system
- Inductance & arc trim function
- Safety circuits protects against overloading
- 500A option available



### Additional Options

| Option                              | Part Number |
|-------------------------------------|-------------|
| Trolley                             | NA9910701   |
| Water-Cooled Unit                   | NA9910703   |
| Pulse Box                           | POA         |
| 5m X 5m <sup>2</sup> Earth Assembly | NAM00018    |
| 5m Argon Hose                       | NAM00063    |
| 5m Interconnection Cable            | POA         |
| MB36 4m MIG torch                   | NAM91005    |
| Wire Feed Unit (WFU12-4C)           | NAM91002    |
| Spigot                              | POA         |

### Package Options

| Option (Air Cooled)                                                                 | Part Number    |
|-------------------------------------------------------------------------------------|----------------|
| MIG400 Air Cooled, MF37 Panel, 5m Interconnection Cable, 5m Earth Cable, Trolley    | NA9910208PKG   |
| Option (Water Cooled)                                                               | Part Number    |
| MIG400, MF37 Panel, Water Cooler, 5m Interconnection Cable, 5m Earth Cable, Trolley | NA9910208WCPKG |

### Technical Specifications

| MIG400                      |                  |
|-----------------------------|------------------|
| MIG                         | ✓                |
| TIG                         | X                |
| MMA                         | X                |
| Input Voltage Range         | 380-480V         |
| Input Phase                 | 3                |
| Mains Frequency (hz)        | 50/60            |
| Rated Input Current         | 24A              |
| Power Factor                | >0.95            |
| Open Circuit Voltage        | 10-40V           |
| Output Current Range        | 20-400A          |
| Duty Cycle@40°C             | 100%             |
| Dimensions (mm) (H X W X L) | 1060 X 530 X 970 |
| Weight (kg)                 | 67               |
| Insulation Class            | IP21             |
| Part Number                 | NA9910208        |

## Wire Feed Units



- Powerful 4 roll wire drive system
- Digital display available
- Programmable version available
- 2T or 4T torch switch latching
- Wire inch & gas purge buttons

- Set burn back time
- Set slow start time
- Set initial start voltage
- Set pre-gas & post gas time

### Technical Specifications

|                             | WFU12-4C        | WFU12A-ILS      | WFU8A-ILS       | WFU12A-RV*      | WFU8A-RV*       |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| MIG                         | ✓               | ✓               | ✓               | ✓               | ✓               |
| TIG                         | X               | X               | X               | X               | X               |
| MMA                         | X               | X               | X               | X               | X               |
| Input Voltage Range         | 24-36Vac        | 15-100V         | 15-100V         | 24-36Vac        | 24-36Vac        |
| Output Current Range        | 400A            | 400A            | 400A            | 400A            | 400A            |
| Duty Cycle@40°C             | 70%             | 70%             | 70%             | 70%             | 70%             |
| Dimensions (mm) (H X W X L) | 430 X 280 X 650 | 430 X 215 X 525 | 350 X 180 X 410 | 450 X 215 X 525 | 350 X 180 X 410 |
| Weight (kg)                 | 15              | 15              | 10              | 12              | 8.5             |
| Insulation Class            | IP23            | IP53            | IP53            | IP53            | IP53            |
| Spool Size                  | 305mm           | 200/300mm       | 200mm           | 200/300mm       | 200mm           |
| Part Number                 | NA9910616       | NA9910630       | NA9910609       | NA9910617       | NA9910607       |

\*Only compatible with Newarc Power Sources



## RT2000 - 200A TIG Dual Voltage with Cellulosic capability



- Digital display
- Built-in hot start, anti sticking & arc force
- High frequency ignition



### Technical Specifications

| RT2000                      |                         |
|-----------------------------|-------------------------|
| MIG                         | X                       |
| TIG                         | ✓                       |
| MMA                         | ✓                       |
| Input Voltage Range         | 110/230 Dual            |
| Input Phase                 | 1                       |
| Mains Frequency (hz)        | 50/60                   |
| Rated Input Current         | 44/28A                  |
| Power Factor                | 0.68                    |
| Open Circuit Voltage        | 75V                     |
| Output Current Range        | 5-200A TIG / 5-150A MMA |
| Duty Cycle@40°C             | 70% TIG / 100% MMA      |
| Dimensions (mm) (H X W X L) | 310 X 150 X 420         |
| Weight (kg)                 | 19                      |
| Insulation Class            | IP21                    |
| Part Number                 | NA99010303              |

### Additional Options

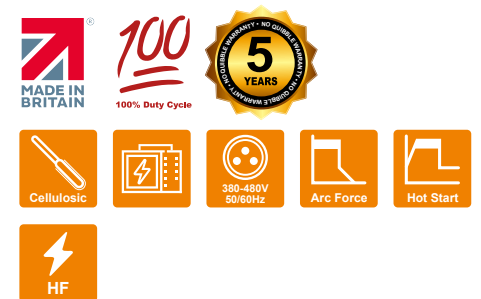
| Option                            | Part Number |
|-----------------------------------|-------------|
| RC300 Remote Current Control      | NA9910701   |
| Pulse Box                         | NA9910703   |
| Argon Hose                        | POA         |
| Argon regulator                   | NAM00018    |
| Amphenol plug                     | NAM00063    |
| TIG Torch                         | POA         |
| 5m x 35mm Earth Cable             | NAM91005    |
| 5m x 35mm Electrode Lead          | NAM91002    |
| Other cable lengths are available | POA         |



## RT2500 - 250A TIG with Cellulosic capability



- Digital display
- Built-in hot start, anti sticking & arc force
- High frequency ignition



### Technical Specifications

| RT2500                      |                 |
|-----------------------------|-----------------|
| MIG                         | X               |
| TIG                         | ✓               |
| MMA                         | ✓               |
| Input Voltage Range         | 380-480V        |
| Input Phase                 | 3               |
| Mains Frequency (hz)        | 50/60           |
| Rated Input Current         | 13A             |
| Power Factor                | >0.95           |
| Open Circuit Voltage        | 75V             |
| Output Current Range        | 5-250A          |
| Duty Cycle@40°C             | 100% @ 250A     |
| Dimensions (mm) (H X W X L) | 320 X 180 X 430 |
| Weight (kg)                 | 18              |
| Insulation Class            | IP21            |
| Part Number                 | NA9910305       |

### Additional Options

| Option                            | Part Number |
|-----------------------------------|-------------|
| RC300 Remote Current Control      | NA9910701   |
| Pulse Box                         | NA9910703   |
| Argon Hose                        | POA         |
| Argon regulator                   | NAM00018    |
| Amphenol plug                     | NAM00063    |
| TIG Torch                         | POA         |
| 5m x 35mm Earth Cable             | NAM91005    |
| 5m x 35mm Electrode Lead          | NAM91002    |
| Other cable lengths are available | POA         |





## RT4000 - 400A TIG with Cellulosic capability



- Digital display
- Built-in hot start, anti sticking & arc force
- High frequency ignition
- 500A option available



### Technical Specifications

| RT4000                      |                 |
|-----------------------------|-----------------|
| MIG                         | X               |
| TIG                         | ✓               |
| MMA                         | ✓               |
| Input Voltage Range         | 360-480V        |
| Input Phase                 | 3               |
| Mains Frequency (hz)        | 50/60           |
| Rated Input Current         | 24A             |
| Power Factor                | >0.95           |
| Open Circuit Voltage        | >80V            |
| Output Current Range        | 25-400A         |
| Duty Cycle@40°C             | 100%            |
| Dimensions (mm) (H X W X L) | 450 X 310 X 570 |
| Weight (kg)                 | 33              |
| Insulation Class            | IP21            |
| Part Number                 | NA9910310       |

### Additional Options

| Option                       | Part Number |
|------------------------------|-------------|
| Caster Assembly Kit          | NAM91185    |
| Water-Cooled Unit            | NA9910502   |
| RC300 Remote Current Control | NA9910701   |
| Foot Pedal                   | NA9910702   |
| Pulse Box                    | NA9910703   |

### Package Options

| Option (Water Cooled)               | Part Number   |
|-------------------------------------|---------------|
| Water-Cooled Unit                   | NA9910502     |
| 5m x 50mm Earth Cable               | NAM91006      |
| 5m x 50mm Air Interconnection Cable | NAM91080S     |
| Trolley                             | NA9910802     |
| TIG Torch - WP26                    | NABIN26F-12SC |

## T300 - 300A DC HF TIG Unit



- Digital display
- Connect to any Newarc constant current (CC) or multi-process (CCCV) machine to gain TIG facility
- High frequency ignition
- May be used in excess of 100m from the power source
- Additional sockets are provided at the rear for MMA use



### Technical Specifications

| T300                        |                 |
|-----------------------------|-----------------|
| MIG                         | X               |
| TIG                         | ✓               |
| MMA                         | ✓               |
| Input Voltage Range         | N/A             |
| Input Phase                 | N/A             |
| Mains Frequency (hz)        | N/A             |
| Rated Input Current         | N/A             |
| Power Factor                | N/A             |
| Open Circuit Voltage        | N/A             |
| Output Current Range        | 20-300A         |
| Duty Cycle@40°C             | 60%             |
| Dimensions (mm) (H X W X L) | 220 X 180 X 370 |
| Weight (kg)                 | 7.5             |
| Insulation Class            | IP54            |
| Part Number                 | NA9910309       |

### Additional Options

| Option                       | Part Number |
|------------------------------|-------------|
| Pulse Box                    | NA9910701   |
| RC300 Remote Current Control | NA9910703   |



## VIPER2000- 200A inline High Frequency DC TIG Control Unit



- Operates from the open circuit voltage of any DC power source with an output of 40-100 volts
- High frequency ignition
- May be used up to 100m from the power source
- Argon flow meter
- Protected against damage caused by incorrect polarity connection



### Technical Specifications

| VIPER2000                   |                 |
|-----------------------------|-----------------|
| MIG                         | X               |
| TIG                         | ✓               |
| MMA                         | ✓               |
| Input Voltage Range         | 40-100V DC      |
| Output Current Range        | 200A            |
| Duty Cycle@40°C             | 100%            |
| Dimensions (mm) (H X W X L) | 210 X 129 X 322 |
| Weight (kg)                 | 5.5             |
| Part Number                 | NA9910307       |

### Additional Options

| Option                       | Part Number |
|------------------------------|-------------|
| 5m x 35mm Earth Assembly     | NAM91005    |
| 5m x 35mm Electrode Assembly | NAM91002    |
| 5m Gas Hose Assembly         | NAM91060    |
| 5m x 35mm Welding Cable      | NAM10068    |
| 4m WP26 TIG torch            | RWN26-12SS  |



## VIPER2500S - 250A inline High Frequency DC TIG Control Unit

**Best Selling Product**



- Operates from the open circuit voltage of any DC power source with an output of 30-90 volts
- High frequency ignition
- Allows independent control of the welding current of any DC power source without the need for auxiliary or control cables
- May be used up to 100m from the power source
- Post gas timing
- Argon flow meter
- Protected against damage caused by incorrect polarity connection



### Technical Specifications

| VIPER2500S                  |                 |
|-----------------------------|-----------------|
| MIG                         | X               |
| TIG                         | ✓               |
| MMA                         | ✓               |
| Input Voltage Range         | 30-90V DC       |
| Output Current Range        | 30-250A         |
| Duty Cycle@40°C             | 100%            |
| Dimensions (mm) (H X W X L) | 300 X 190 X 450 |
| Weight (kg)                 | 15.5            |
| Part Number                 | NA9910308       |

### Additional Options

| Option                       | Part Number |
|------------------------------|-------------|
| 5m x 35mm Earth Assembly     | NAM91005    |
| 5m x 35mm Electrode Assembly | NAM91002    |
| 5m Gas Hose Assembly         | NAM91060    |
| 5m x 35mm Welding Cable      | NAM10068    |
| 4m WP26 TIG torch            | RWN26-12SS  |

# Weldability<sup>®</sup>

## IMPROVING QUALITY AND SKILLS IN METAL FUSION FOR THE NEXT GENERATION

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Established in 1972, Newarc has grown within the heart of the Northeast industrial landscape. We understand that our welding machines constitute an investment for our customers, therefore robust quality is assured as all models meet international standards, undergo rigorous testing to deliver high duty cycles and ease of use. Newarc equipment is a firm welder's choice.

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Extractability's extensive knowledge of the current legislation in fume and dust control, aligned with their understanding of the welding/fabrication processes makes them the perfect partner in controlling hazardous substances at source. We have total confidence in our certified fume and dust extraction products. We can also offer a truly bespoke solution, with installation, service, and ongoing maintenance.

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