Portable Welding Inverters
CIGWELD Professional:
When welding is your business

At CIGWELD we distinguish ourselves from our competition through superior featured, dependable products, technical innovation and excellence in customer service and technical support.

Our Professional Inverter range is proof of this commitment to deliver quality equipment that exceeds expectations. A wealth of features and options make this equipment the perfect choice for the serious welding professional.

The CIGWELD Portable Inverter range

The CIGWELD range of Inverter welding power supplies are fully featured and deliver outstanding arc characteristics thanks to advanced embedded microprocessor technology and digital control.

Equipped standard is a compliant VRD (voltage reduction device), which greatly improves operator safety in the field or workshop. This fully integrated VRD technology all but eliminates the risk of electric shock from the secondary welding circuit.

Combine all these market leading features into a compact, efficient, portable inverter design with a full range of packaged accessories and you have the ultimate fully featured professional range for construction, mining, shipbuilding, rental hire and other industrial applications.

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- Suitable for Stick welding (MMAW)
- Suitable for TIG welding (GTAW)
- Suitable for MIG welding
- Suitable for Gouging (CAG)
- Number of phases (input)
- Input voltage
- Pulse

- Direct Current
- Constant Current
- Constant Voltage
- Inverter
- Maximum output current
- Power factor correction
- High frequency start for improved TIG starting performance
Portable Inverters

400i Features and Benefits

- Standards compliant VRD, with visible ON/OFF LEDs
- Digital hot start, fully adjustable for optimum arc starting and restriking characteristics with all electrode types and diameters
- Embedded digital microprocessor for functionality & control
  - Self diagnostic
  - Single index control knob
  - Digital preview & welding display
- Generator friendly, suitable for use on appropriate engine driven equipment
- Voltage compensation, input line voltage
- Exceptional arc characteristics
- Standards compliance:
  - EMC compliance N1890
  - AS1674.2 compliant for Category A, B & C environments
  - AS60974.1
  - IP 23S rating designed & approved for outdoor use
- Designed for multi-layer stacking with similar sized machines
- Portable, ultra lightweight, heavy duty robust design & construction
- Digital touch pad control
- Thermal overload protection for long life of internal components
- Programmable memory
  - Save/Load and recall optimum welding parameters
- 8/14 pin socket
  - Torch slider control
  - Remote foot control
  - Remote pendant control
  - Wirefeeders (400i only)
- Intelligent fan control
  - Operates on-demand
- Digital hot start
  - Fully adjustable for optimum arc starting and restriking characteristics with all electrode types and diameters
- Embedded digital microprocessor
  - For functionality & control
  - Self diagnostic
  - Single index control knob
  - Digital preview & welding display
- Generator friendly, suitable for use on appropriate engine driven equipment
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- Exceptional arc characteristics
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  - For functionality & control
  - Self diagnostic
  - Single index control knob
  - Digital preview & welding display
- Generator friendly, suitable for use on appropriate engine driven equipment
- Voltage compensation, input line voltage
- Exceptional arc characteristics
- Standards compliance:
  - EMC compliance N1890
  - AS1674.2 compliant for Category A, B & C environments
  - AS60974.1
  - IP 23S rating designed & approved for outdoor use
- Designed for multi-layer stacking with similar sized machines
- Portable, ultra lightweight, heavy duty robust design & construction
**Portable Inverters**

### 250i Features and Benefits

- **Standards compliant VRD** with visible ON/OFF LEDs
- **Thermal overload indicator** for long life of internal components
- **Multi-process Inverter** – Stick (MMAW), MIG (GMAW/FCAW), TIG (GTAW)
- **Digital Voltage Meter**
- **Trigger Mode Control** (MIG and TIG only)
- **Digital Amp Meter**
- **Advanced Features** to adjust parameters in Stick (MMAW), MIG (GMAW/FCAW) & TIG (GTAW)
- **Power Factor Correction** Energy saving technology
- **Quick connect shielding gas connection**
- **Integrated wire feed unit** accepts 200mm or 300mm wire spools
- **Euro Style Connection**
- **Polarity Reversal**
- **50mm dins connection**
- **8 Pin Remote Control Socket** used to connect remote control devices
- **10 Pin Accessories Socket** used to connect remote devices such as Transmig 2RT wirefeeder
- **Standards Compliance:**
  - AS 60974.1
  - IP23S rating designed & approved for outdoor use
- **Integrated wire feed unit**
- **Euro Style Connection**
- **Polarity Reversal**
The CIGWELD TRANSMIG 175i is a self contained single phase multi process welding inverter that is capable of performing GMAW/FCAW (MIG), MMAW (Stick) and GTAW (Lift TIG) welding processes. The unit is equipped with an integrated wire feed unit, voltage reduction device (VRD applicable in Stick mode only), digital voltage and amperage meters, and a host of other features in order to fully satisfy the broad operating needs of the modern welding professional.

**Plant Contents**

- Transmig 175i Inverter power source
- Tweco Professional Fusion MIG Torch 3m
- COMET Professional Argon regulator/flowmeter
- Feed rolls: 0.6/0.8mm V groove (fitted); 1.0/1.2mm U groove; 0.8/0.9mm V knurled
- Contact tips: 0.8mm (fitted); 0.6mm; 0.9mm; 1.0mm
- Electrode holder with 4m lead
- Work clamp with 4m lead
- Shielding gas hose assembly
- Shoulder strap
- Product bag
- Operating manual

**Optional Accessories**

- Tweco Professional Fusion 250 MIG Torch 3m
- TIG Torch 17V, 4m lead, RTC
- Feed roll 0.6/0.8mm V groove (hard) fitted
- Feed roll 0.9/1.2mm V groove (hard)
- Feed roll 0.8/0.9mm U groove (soft)
- Feed roll 1.0/1.2mm U groove (soft)
- Feed roll 0.8/0.9mm V knurled (flux cored)
- Feed roll 1.2/1.6mm V knurled (flux cored)

**Ordering Information**

- TRANSMIG 175i power source  W1005177
- TRANSMIG 175i plant  W1005175

**Power Source Contents**

- TRANSMIG 175i inverter power source, shielding gas hose assembly, shoulder strap, operating manual
**Specifications**

**Processes**
MIG (GMAW/FCAW), Stick (MMAW), Lift TIG (GTAW)

**Supply Voltage**
240 volt AC +/-15%, 50/60Hz (15A plug)

**Current Range**
10 – 210 amps (MIG mode)

**Duty Cycle**
- MIG (GMAW/FCAW): 210A@20%, 24.5V (40˚C, 10mins)
- Stick (MMAW): 200A@25%, 28V (40˚C, 10mins)
- TIG (GTAW): 200A@25%, 18V (40˚C, 10mins)

**Recommended Generator**
7 kVA for max. welding current

**Power Source Weight**
26kg; Plant: 34kg

**Power Source Dimensions**
- Power source: 435mm(H) x 266mm(W) x 617mm(D)
- Plant: 483mm(H) x 378mm(W) x 705mm(D)

**Features**
- Full multi process capabilities: GMAW/FCAW (MIG), MMAW (Stick), GTAW (TIG)
- Standards Compliant Voltage Reduction Device (VRD)
- PFC (Power Factor Correction)
- Fully compliant to AS 60974.1
- Digital voltage and amperage meters
- Enclosure rated to IP23S
- 3 Year Limited Warranty*

*Conditional Warranty - Refer to operating manual for full details

**Ordering Information**
TRANSMIG 200i power source  W1005201
TRANSMIG 200i plant  W1005200

**Power Source Contents**
TRANSMIG 200i inverter power source, shielding gas hose assembly, operating manual

The CIGWELD TRANSMIG 200i is a self-contained single phase multi process welding inverter that is capable of performing GMAW/FCAW (MIG), MMAW (Stick) and GTAW (Lift TIG) welding processes. The unit is equipped with an integrated wire feed unit, voltage reduction device (VRD applicable in Stick mode only), PFC (power factor correction), digital voltage and amperage meters, and a host of other features in order to fully satisfy the broad operating needs of the modern welding professional.

**Plant Contents**

- Transmig 200i Inverter power source
- Tweco Professional Fusion MIG Torch, 3m
- COMET Professional Argon regulator/flowmeter
- Feed Rolls: 0.6/0.8mm V Groove (fitted); 1.0/1.2mm V Groove; 1.0/1.2mm U Groove
- 0.8/0.9mm V Knurled; 1.2/1.6mm V Knurled
- Contact tips: 0.8mm (fitted); 0.6mm; 0.9mm; 1.0mm
- Electrode holder with 4m lead
- Work clamp with 4m lead
- Shielding gas hose assembly
- Operating manual

**Optional Accessories**

- Transmig Welding Equipment Trolley  W4015000
- Transmig 200i Roll Cage Kit  W4015103
- Tweco Professional Fusion 250 MIG Torch, 3m  W4013701
- Tweco Professional No.2 MIG Torch, 3.6m  W4015203
- Tig Torch 17V, gas valve, 4m lead  W4013801
- Tig Torch 17V, gas valve, 4m lead, remote control  W4013800
- Shielding Gas Hose assembly  W7004913
- Feed roll 0.6/0.8mm V groove (hard) fitted  7977036
- Feed roll 0.9/1.2mm V groove (hard)  7977660
- Feed roll 0.8/0.9mm U groove (soft)  7977731
- Feed roll 1.0/1.2mm U groove (soft)  7977264
- Feed roll 0.8/0.9mm V knurled (flux cored)  7977732
- Feed roll 1.2/1.6mm V knurled (flux cored)  704277
Specifications

Processes
MIG (GMAW/FCAW), Stick (MMAW), Lift TIG (GTAW)

Supply Voltage
240 volt AC +/-15%, 50/60Hz (15A plug)**

Current Range
5 – 250 amps

Duty Cycle
- MIG (GMAW/FCAW): 250A@40% (40˚C, 10mins)
- Stick (MMAW): 230A@40% (40˚C, 10mins)
- TIG (GTAW): 250A@40% (40˚C, 10mins)

Recommended Generator
8.5 kVA for max. welding current

Power Source Weight
Power source: 29.5kg; Plant: 42kg

Power Source Dimensions
Power source: 440mm(H) x 260mm(W) x 600mm(D)
Plant: 630mm(H) x 378mm(W) x 705mm(D)

Features
- Full multi process capabilities:
  - GMAW/FCAW (MIG), MMAW (STICK), GTAW (TIG)
- Standards Compliant Voltage Reduction Device (VRD)
- Fully compliant to AS 60974.1
- Digital voltage and amperage meters
- Enclosure rated to IP23S
- PFC (Power Factor Correction)
- 3 Year Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details
# For maximum duty cycle to be achieved, input plug and lead must be upgraded**

The CIGWELD TRANSMIG 250i is a self contained single phase multi process welding inverter that is capable of performing GMAW/FCAW (MIG), MMAW (Stick) and GTAW (Lift TIG) welding processes. The unit is equipped with an integrated wire feed unit, voltage reduction device (VRD applicable in Stick mode only), PFC (power factor correction), digital voltage and amperage meters, and a host of other features in order to fully satisfy the broad operating needs of the modern welding professional.

Plant Contents
- Transmig 250i inverter power source
- Tweco Professional Fusion 250 MIG Torch, 3.6m
- COMET Professional Argon regulator/flowmeter
- Feed Rolls: 0.9-1.2mm V Groove (fitted); 0.6-0.9mm V Groove; 1.2mm V Groove; 1.2mm U Groove; Pressure Roll 0.6-1.2mm (fitted)
- Contact tips: 0.8mm, 0.9mm (fitted), 1.0mm, 1.2mm
- Electrode holder with 4m lead
- Work clamp with 4m lead
- Shielding gas hose assembly
- Operating manual

Optional Accessories
- Transmig 2RT Wirefeeder W3000500
- Transmig Welding Equipment Trolley W4015000
- Transmig 250i Roll Cage Kit W4015100
- Tweco Professional Fusion 250 MIG Torch 3.6m, Euro OTWF212X3035
- Tweco Professional No.4 MIG Torch 3.6m, Euro OTWX412/3545
- TIG Torch 26, flex neck, 4m W4014600
- TIG Torch 26V, flex neck, gas valve, 4m W4014601
- TIG Torch Gas Control Kit (used with TIG Torch W4014600) W4014200
- Feed Roll 0.6-0.9mm V Groove (Hard) W6001102
- Feed Roll 1.0/1.2mm V Groove (Hard) W6001103
- Feed Roll 1.2mm V Knurled (Flux Cored) W6001104
- Feed Roll 1.6mm V Knurled (Flux Cored) W6001105
- Feed Roll 0.9mm U Groove (Soft) W6001106
- Feed Roll 1.0mm U Groove (Soft) W6001107
- Feed Roll 1.2mm U Groove (Soft) W6001108

Ordering Information
- TRANSMIG 250i power source W1003251
- TRANSMIG 250i plant W1003250

Power Source Contents
- TRANSMIG 250i inverter power source, shielding gas hose assembly, operating manual

Plant Part No. W1003250

Power Source Part No. W1003251

Portable Inverters
# Specifications

**Processes**  
Lift TIG (GTAW); Stick (MMAW); MIG (GMAW)

**Supply Voltage**  
415 volt, 3 phase, 50/60Hz

**Current Range**  
5 – 400 amps

**Duty Cycle**  
25% @ 400 amps (GTAW 40°C)

**Recommended Generator**  
16 kVA for max. welding current

**Power Source Weight**  
25kg

**Power Source Dimensions**  
210 W x 420 H x 450 D mm

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# Features

- Compliant integrated Voltage Reduction Device
- Save/Load (Recall) weld programs
- Embedded micro-processor with digital controls
- Intelligent heat sensing fan operates on demand
- Easy to use digital display and panel control
- Exceptional DC welding characteristics
- MIG, Lift TIG & MMAW modes
- Fully adjustable weld parameters
- Intelligent self diagnostic control
- 2 Year Limited Warranty*  

* Conditional Warranty - Refer to operating manual for full details

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# Ordering Information

**TRANSMIG 400i power source**  
710014

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# Power Source Contents

400i power source, 14 pin plug, 2 x 50mm dinse plugs, operating manual

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The TRANSMIG 400i is a 415 volt, full digital control, DC MIG/Stick/Lift TIG power source. Features include variable inductance, digital voltmeter and digital ammeter making this the ultimate unit designed for precision MIG welding of steel and other DC weldable materials. The unit also has an integrated Voltage Reduction Device (VRD) for improved operator safety.

Please refer to specifications at rear of brochure for comprehensive information

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# Optional Accessories

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAF-4 wirefeeder</td>
<td>705700</td>
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<td>Tweco No.4 MIG gun</td>
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<td>Work lead (8m)</td>
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<tr>
<td>Slide control</td>
<td>OTD10/2004</td>
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<td>Hand pendant</td>
<td>OTD10/2005</td>
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<tr>
<td>Foot control</td>
<td>OTD10/2007</td>
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<tr>
<td>TIG Torch (4m)</td>
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<td>Torch accessories kit</td>
<td>BGSAK2</td>
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<td>Gas hose</td>
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<tr>
<td>Flowmeter/regulator</td>
<td>301526</td>
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<tr>
<td>Lead set (8m)</td>
<td>646325</td>
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<tr>
<td>14 pin plug</td>
<td>7977710</td>
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</table>
The TRANSTIG 200AC/DC is a 240 volt, full digital control, AC/DC Stick/Lift TIG, HF TIG Inverter power source. Featuring high frequency start, Lift TIG arc start, up/down slope, pulse on AC or DC, repeat (latch) function and spot mode, you’ve got the ultimate unit designed for precision TIG welding of aluminium, stainless steel and other AC/DC weldable materials. This unit also has an integrated VRD for improved operator safety when Stick (MMAW) welding steel and other AC/DC weldable materials. Please refer to specifications at rear of brochure for comprehensive information.

**Features**
- Compliant integrated Voltage Reduction Device
- Embedded micro-processor with digital controls
- Intelligent heat sensing fan operates on demand
- Easy to use digital display and panel control
- HF start TIG, Lift TIG & MMAW modes
- 2T, 4T with up/down slope and repeat function
- Intelligent self diagnostic control
- Save/Load (Recall) weld programs
- 2 Year Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details

**Specifications**

**Processes**
- Lift TIG, HF TIG (GTAW); Stick (MMAW)

**Supply Voltage**
- 240 volt, 1 phase, 50/60Hz

**Current Range**
- 5 – 200 amps (TIG)

**Duty Cycle**
- 20% @ 200 amps (GTAW, 40°C)

**Recommended Generator**
- 8.8 kVA for max. welding current

**Power Source Weight**
- 19kg

**Power Source Dimensions**
- 180 W x 360 H x 420 D mm

**Ordering Information**

TRANSTIG 200AC/DC power source  700719
TRANSTIG 200AC/DC plant   700735

**Power Source Contents**
- 200AC/DC power source, 8 pin plug, 2 x 50mm dinse plugs, operating manual

**Plant Contents**
- TRANSTIG 200AC/DC power source
- 26 series TIG Torch, 4m lead with remote current control
- 5m work lead
- 5m electrode holder
- COMET Argon regulator, 0-55 l/min 2 gauge
- Gas hose for TIG Torch
- TIG accessory kit
- Plant storage and carry case
- Operation manual

**Optional Accessories**
- Slide control   OTD10/4013
- Hand pendant   OTD10/4014
- Foot control   OTD10/4016
- 8 pin plug   UOA706900
TRANSTIG 300AC/DC

Specifications

Processes
Lift TIG, HF TIG (GTAW); Stick (MMAW)

Supply Voltage
415 volt, 3 phase, 50/60Hz

Current Range
5 – 300 amps

Duty Cycle
25 % @ 300 amps (GTAW 40°C)

Recommended Generator
16 kVA for max. welding current

Power Source Weight
24kg

Power Source Dimensions
210 W x 420 H x 450 D mm

Features

• Compliant integrated Voltage Reduction Device
• Save/Load (Recall) weld programs
• Embedded micro-processor with digital controls
• Intelligent heat sensing fan operates on demand
• Easy to use digital display and panel control
• HF start TIG, Lift TIG & MMAW modes
• 2T, 4T with up/down slope and repeat function
• Intelligent self diagnostic control
• 2 Year Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details

Ordering Information

TRANSTIG 300AC/DC power source 700723

Power Source Contents

300AC/DC power source, 14 pin plug, 2 x 50mm dinse plugs, 5/8”-18 UNF gas connection, operating manual

The TRANSTIG 300AC/DC is a 415 volt, full digital control, AC/DC Stick/Lift TIG, HF TIG power source. Featuring high frequency start, Lift TIG arc start, up/down slope, welding program save/recall, pulse on AC or DC, repeat (latch) function and spot mode, you’ve got the ultimate unit designed for precision TIG welding of aluminium, stainless steel and other AC/DC weldable materials. This unit also has an integrated VRD for improved operator safety when Stick (MMAW) welding steel and other AC/DC weldable materials.

Please refer to specifications at rear of brochure for comprehensive information.

Optional Accessories

Slide control  OTD10/2004
Hand pendant  OTD10/2005
Foot control  OTD10/2007
TIG Torch (4m)  528720401
Torch accessories kit  BGSAK2
Gas hose  700433
Flowmeter/regulator  301526
Lead set (8m)  646325
14 pin plug  7977710
The TRANSARC 141 VRD is a single phase Stick (MMAW) and Lift TIG (GTAW) inverter welding power source that incorporates a Voltage Reduction Device (VRD) as a standard feature. The integral VRD in the manual arc welding mode offers much needed protection for the welding operator from electric shock during non-arcing times. Additionally, the application of state of the art digital and microprocessor technology ensures superior arc characteristics especially during the critical arc starting and re-strike phases.

Please refer to specifications at rear of brochure for comprehensive information.
Specifications

Processes
Lift TIG (GTAW); Stick (MMAW)

Supply Voltage
240 volt, 1 phase, 50/60Hz

Current Range
5 – 160 amps DC

Duty Cycle
60% @ 160 amps (Stick)
70% @ 160 amps (TIG)

Recommended Generator
8.5 kVA for max. welding current

Power Source Weight
8.5kg

Power Source Dimensions
230 W x 185 H x 310 D mm

Features

• Compliant integrated Voltage Reduction Device
• Designed for AS1674.2 category A, B & C environments; EMC compliant
• Embedded microprocessor with digital controls
• Exceptional DC welding characteristics
• Stick, Lift TIG & Pulse Lift TIG weld operations
• Single index control knob
• Compact, lightweight & portable
• 18 Month Limited Warranty*

* Conditional Warranty - Refer to operating manual for full details

The TRANSARC 161 VRD is a single phase Stick (MMAW) and Lift TIG (GTAW) inverter welding power source that incorporates a Voltage Reduction Device (VRD) as a standard feature. The integral VRD in the manual arc welding mode offers much needed protection for the welding operator from electric shock during non-arcing times. Additionally, the application of state of the art digital and microprocessor technology ensures superior arc characteristics especially during the critical arc starting and re-strike phases.

Please refer to specifications at rear of brochure for comprehensive information.

Plant Contents

161 VRD power source
5m work lead
5m electrode lead
Soft carry case
Operating manual

Optional Accessories

Manual arc lead set 646323
165 amp TIG Torch 404710402
TIG Torch accessories kit BGSAK2
Torch gas hose kit (includes fittings) 700433
Flowmeter/regulator 301526
Dinse plug connector 705152
Work lead (4m) 700638
6 pin & earth plug 700738

Ordering Information

TRANSARC 161 VRD power source 625799
TRANSARC 161 VRD plant 625802
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<tr>
<th>Description</th>
<th>Part No.</th>
<th>Contents</th>
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<td>17 Series air cooled TIG Torch (suitable for 141/161 VRD)</td>
<td>404710402</td>
<td>TIG Torch with 4 metre cable</td>
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<td>17 series air cooled TIG Torch (suitable for TRANSMIG 175i/200i)</td>
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<td>TIG Torch with 4m cable, gas valve &amp; remote current control</td>
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<td>17 Series air cooled TIG Torch (suitable for TRANSMIG 200i)</td>
<td>W4013801</td>
<td>TIG Torch with 4m cable &amp; gas valve</td>
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<td>26 Series air cooled TIG Torch (suitable for TRANSMIG 250i)</td>
<td>W4014600</td>
<td>TIG Torch with 4m cable &amp; flex neck</td>
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<tr>
<td>26 Series air cooled TIG Torch (suitable for TRANSMIG 250i)</td>
<td>W4014601</td>
<td>TIG Torch with 4m cable, flex neck and gas valve</td>
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<td>TIG Torch gas control kit</td>
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<td>gas control kit to be used with TIG Torch W4014600</td>
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<tr>
<td>26 Series air cooled TIG Torch (suitable for 300 AC/DC; 300Pi)</td>
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<td>TIG Torch with 4 metre cable &amp; remote current control</td>
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<td>Tweco® No. 4 MIG Torch</td>
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<td>MIG Torch with 3.6m cable &amp; T4 connection</td>
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<td>COMET flowmeter 0-15 l/min</td>
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<td>COMET regulator/flowmeter</td>
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<td>200 Amp lead set, 5 metre</td>
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<td>1 x 5m work lead; 1 x 5m electrode holder</td>
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<td>400 Amp lead set, 8 metre</td>
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<td>1 x 8m work lead; 1 x 8m electrode holder</td>
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<td>OTD 10/4013</td>
<td>slider suitable for 200Pi, 200AC/DC</td>
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<td>OTD 10/2004</td>
<td>slider suitable for 300Pi, 300AC/DC, 400i</td>
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<td>Hand pendant</td>
<td>OTD 10/4014</td>
<td>hand pendant suitable for 200Pi, 200AC/DC</td>
</tr>
<tr>
<td></td>
<td>OTD 10/2005</td>
<td>hand pendant suitable for 300Pi, 300AC/DC, 400i</td>
</tr>
<tr>
<td>Foot controller</td>
<td>OTD 10/4016</td>
<td>foot controller only for 200Pi, 200AC/DC</td>
</tr>
<tr>
<td></td>
<td>OTD 10/2007</td>
<td>foot controller only for 300Pi, 300AC/DC, 400i</td>
</tr>
<tr>
<td>VAF-4 Wirefeeder</td>
<td>705700</td>
<td>VAF-4 wirefeeder, 8m interconnection, operating manual</td>
</tr>
<tr>
<td>TRANSMIG 2RT Wirefeeder</td>
<td>W3000500</td>
<td>2RT wirefeeder, operating manual</td>
</tr>
<tr>
<td>TRANSMIG Welding equipment trolley (suitable for TRANSMIG 200i/250i)</td>
<td>W4015000</td>
<td>Welding equipment trolley, assembly instructions</td>
</tr>
<tr>
<td>TRANSMIG 200i roll cage kit</td>
<td>W4015103</td>
<td>Roll cage kit, assembly instructions</td>
</tr>
<tr>
<td>TRANSMIG 250i roll cage kit</td>
<td>W4015100</td>
<td>Roll cage kit, assembly instructions</td>
</tr>
</tbody>
</table>
## Specifications

### Portable Inverters

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>TRANSMIG 175i</th>
<th>TRANSMIG 200i</th>
<th>TRANSMIG 250i</th>
<th>TRANSARC 141VRD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Source Part No.</td>
<td>W1005177</td>
<td>W1005201</td>
<td>W1003251</td>
<td>625775</td>
</tr>
<tr>
<td>Plant Part No.</td>
<td>W1005175</td>
<td>W1005200</td>
<td>W1003250</td>
<td>625779</td>
</tr>
</tbody>
</table>

### WELDING OUTPUT

<table>
<thead>
<tr>
<th>Power Source Part No.</th>
<th>TRANSMIG 175i</th>
<th>TRANSMIG 200i</th>
<th>TRANSMIG 250i</th>
<th>TRANSARC 141VRD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Part No.</td>
<td>W1005175</td>
<td>W1005200</td>
<td>W1003250</td>
<td>625779</td>
</tr>
</tbody>
</table>

#### Maximum output
- 175 amps DC
- 210 amps DC
- 250 amps DC
- 140 amps DC

#### Maximum GTAW duty cycle @ 40°C
- 25%@175A
- 25%@200A
- 40%@250A
- 70%@140A

#### Maximum MMAW duty cycle @ 40°C
- 88 amp
- 101 amp
- 150 amp
- 110 amp

#### Maximum GMAW duty cycle @ 100%
- 78 amp
- 101 amp
- 150 amp
- 110 amp

#### GTAW (TIG) duty cycle @ 100%
- 88 amp
- 101 amp
- 150 amp
- 110 amp

#### MMAW (Stick) duty cycle @ 100%
- 78 amp
- 101 amp
- 150 amp
- 110 amp

#### GMAW (MIG) duty cycle @ 100%
- 88 amp
- 101 amp
- 150 amp
- 110 amp

#### GTAW current range
- 10-175 amp
- 10-200 amp
- 20-230 amp
- 5-140 amp

#### MMAW current range
- 10-175 amp
- 10-200 amp
- 20-230 amp
- 5-140 amp

#### GMAW current range
- 30-175 amp
- 30-210 amp
- 20-300 amp
- 20-300 amp

#### GTAW arc voltage range
- 10-25 volt
- 10-26 volt
- 14-30 volt
- 20-30 volt

#### MMAW (Stick) arc voltage range
- 10-25 volt
- 10-26 volt
- 14-30 volt
- 20-30 volt

#### GMAW (MIG) arc voltage range
- 10-25 volt
- 10-26 volt
- 14-30 volt
- 20-30 volt

### WELDING MODES

<table>
<thead>
<tr>
<th>Lift TIG DC</th>
<th>Lift TIG DC with Pulse</th>
<th>HF Start TIG DC</th>
<th>HF Start TIG DC with Pulse</th>
<th>Stick DC with VRD</th>
<th>HF Start TIG AC</th>
<th>HF Start TIG AC with Pulse</th>
<th>Stick AC with VRD</th>
<th>MIG Weld Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

### PRIMARY POWER

<table>
<thead>
<tr>
<th>Input voltage</th>
<th>240 Volt</th>
<th>240 Volt</th>
<th>240 Volt</th>
<th>240 Volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated input current</td>
<td>15 amp</td>
<td>15 amp</td>
<td>22.4 amp</td>
<td>27 amp</td>
</tr>
<tr>
<td>Maximum input current</td>
<td>35.5 amp</td>
<td>29 amp</td>
<td>34.7 amp</td>
<td>28 amp</td>
</tr>
<tr>
<td>Recommended generator kVA</td>
<td>9 kVA</td>
<td>7 kVA</td>
<td>10 kVA</td>
<td>8 kVA</td>
</tr>
</tbody>
</table>

### FEATURES

<table>
<thead>
<tr>
<th>Warranty period</th>
<th>3 Year*</th>
<th>3 Year*</th>
<th>3 Year*</th>
<th>18 months*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard weld mode (2T)</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Latch weld mode (4T)</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Repeat weld mode (4T repeat)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Spot welding TIG</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Spot welding MIG</td>
<td>–</td>
<td>–</td>
<td>0.1 - 20 sec</td>
<td>–</td>
</tr>
<tr>
<td>Pre-flow time</td>
<td>–</td>
<td>–</td>
<td>0 - 5 sec</td>
<td>–</td>
</tr>
<tr>
<td>Hot start current</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Initial current</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Up slope time TIG</td>
<td>–</td>
<td>–</td>
<td>0 - 30 sec</td>
<td>–</td>
</tr>
<tr>
<td>Peak current</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Lift TIG weld mode</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Stick weld mode</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>MIG weld mode</td>
<td>•</td>
<td>•</td>
<td>–</td>
<td>•</td>
</tr>
<tr>
<td>Spot time MIG</td>
<td>–</td>
<td>–</td>
<td>0.1 - 20 sec</td>
<td>–</td>
</tr>
<tr>
<td>Dwell Time MIG</td>
<td>–</td>
<td>–</td>
<td>0.2 - 4 sec</td>
<td>–</td>
</tr>
<tr>
<td>Pulse width TIG</td>
<td>–</td>
<td>–</td>
<td>0.1 - 0.5 sec</td>
<td>–</td>
</tr>
<tr>
<td>Pulse frequency TIG</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>3 Hz or 175 Hz</td>
</tr>
<tr>
<td>AC frequency TIG</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>AC wave balance TIG</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Down slope time TIG</td>
<td>0 - 10 sec</td>
<td>0 - 10 sec</td>
<td>0 - 30 sec</td>
<td>–</td>
</tr>
<tr>
<td>Crater current TIG</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Post-time TIG &amp; MIG</td>
<td>–</td>
<td>–</td>
<td>0 - 30 sec</td>
<td>–</td>
</tr>
<tr>
<td>Arc force control Stick</td>
<td>0 - 100%</td>
<td>0 - 100%</td>
<td>0 - 100%</td>
<td>0 - 100%</td>
</tr>
<tr>
<td>Inductance control MIG</td>
<td>0 - 100%</td>
<td>0 - 100%</td>
<td>0 - 100%</td>
<td>–</td>
</tr>
</tbody>
</table>

### DIMENSIONS & WEIGHT

<table>
<thead>
<tr>
<th>Dimensions H x W x D mm</th>
<th>415x210x450</th>
<th>435x266x617</th>
<th>440x260x600</th>
<th>230x185x310</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (power source only) kg</td>
<td>14.6</td>
<td>28</td>
<td>29.5</td>
<td>8</td>
</tr>
</tbody>
</table>

*Refer to warranty schedule for details.

MMAW = Manual Metal Arc Welding (Stick) GTAW = Gas Tungsten Arc Welding (TIG) GMAW = Gas Metal Arc Welding (MIG)
# Specifications

## Description

<table>
<thead>
<tr>
<th>Power Source Part No.</th>
<th>TRANSARC 161VRD</th>
<th>TRANSTIG 200AC/DC</th>
<th>TRANSTIG 300AC/DC</th>
<th>TRANSMIG 400i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Part No.</td>
<td>625799</td>
<td>700719</td>
<td>700723</td>
<td>710014</td>
</tr>
</tbody>
</table>

## Welding Output

<table>
<thead>
<tr>
<th>Maximum output</th>
<th>160 amp DC</th>
<th>200 amp AC/DC</th>
<th>300 amp AC/DC</th>
<th>400 amp DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum GTAW duty cycle @ 40°C</td>
<td>60% @ 160 amp</td>
<td>20% @ 200 amp</td>
<td>25% @ 300 amp</td>
<td>25% @ 400 amp</td>
</tr>
<tr>
<td>Maximum MMAW duty cycle @ 40°C</td>
<td>60% @ 160 amp</td>
<td>40% @ 160 amp</td>
<td>25% @ 300 amp</td>
<td>25% @ 400 amp</td>
</tr>
<tr>
<td>Maximum GMAW duty cycle @ 40°C</td>
<td></td>
<td></td>
<td></td>
<td>25% @ 400 amp</td>
</tr>
</tbody>
</table>

| GTAW @ 100% duty cycle | 125 amp        | 100 amp          | 150 amp          | 200 amp      |
| GMAW @ 100% duty cycle | 125 amp        | 100 amp          | 150 amp          | 200 amp      |

| GTAW current range    | 5-160 amp      | 5-200 amp        | 5-300 amp        | 5-400 amp    |
| MMAW current range    | 5-160 amp      | 5-160 amp        | 5-300 amp        | 5-400 amp    |
| Welding voltage range | 10-26.4 volt   | 10-26.4 volt     | 10-32 volt       | 10-38 volt   |
| Current control       | Infinitely variable | Infinitely variable | Infinitely variable | Infinitely variable |

## Welding Modes

| Lift TIG DC          | •               | •                  | •                  | •           |
| Lift TIG DC with Pulse | •             | •                  | •                  | •          |
| HF Start TIG DC      | •               | •                  | •                  | •           |
| HF Start TIG DC with Pulse | •       | •                  | •                  | •          |
| Stick DC with VRD    | •               | •                  | •                  | •           |
| HF Start TIG AC      | •               | •                  | •                  | •           |
| HF Start TIG AC with Pulse | •       | •                  | •                  | •          |
| Stick AC with VRD    | •               | •                  | •                  | •           |

| MIG Weld Mode        | •               | •                  | •                  | •           |

## Primary Power

| Input voltage        | 240 volt        | 240 volt          | 415 volt          | 415 volt    |
| Rated input current  | 25 amp          | 23.2 amp          | 11.1 amp          | 16.7 amp    |
| Maximum input current| 33 amp          | 36.7 amp          | 22.3 amp          | 33.4 amp    |
| Recommended generator kVA | 8.5 kVA | 8.8 kVA          | 16 kVA            | 24 kVA      |

## Features

| Warranty period       | 18 months*      | 3 years *         | 3 years *         | 3 years *   |
| Standard weld mode (2T)| •               | •                  | •                  | •           |
| Latch weld mode (4T)  | •               | •                  | •                  | •           |
| Repeat weld mode (4T repeated) | •       | •                  | •                  | •          |
| Spot welding in TIG mode | •              | •                  | •                  | •          |
| Pre-flow time         | –               | 0-1.0 sec         | 0-1.0 sec         | –           |
| Hot start current     | –               | 0-70 amp          | 0-70 amp          | 0-70 amp    |
| Initial current       | –               | 5-200 amp         | 5-300 amp         | –           |
| Up slope time         | –               | 0-15 sec          | 0-15 sec          | –           |
| Peak current          | –               | 5-200 amp         | 5-300 amp         | –           |
| Base weld output      | –               | 5-200 amp         | 5-300 amp         | 5-400 amp   |
| Stick                | –               | 5-160 amp         | 5-300 amp         | 5-400 amp   |
| MIG                  | •               | –                  | –                  | 14.3-34 volt|
| Spot time             | –               | 0.5-5.0 sec       | 0.5-5.0 sec       | –           |
| Pulse width           | –               | 15-80%            | 15-80%            | –           |
| Pulse frequency       | –               | 0.5-500 Hz        | 0.5-500 Hz        | –           |
| AC frequency          | –               | 15-150 Hz         | 15-150 Hz         | –           |
| AC wave balance       | –               | 10-65%            | 10-65%            | –           |
| Down slope time       | –               | 0-25 sec          | 0-25 sec          | –           |
| Crater current        | –               | 5-200 amp         | 5-300 amp         | –           |
| Post-flow time        | –               | 0-60 sec          | 0-60 sec          | –           |
| Arc force control (Stick mode) | –        | –                  | –                  | 0-100%      |

## Dimension & Weight

<table>
<thead>
<tr>
<th>Dimensions H x W x D mm</th>
<th>230x185x310</th>
<th>360x180x420</th>
<th>420x210x450</th>
<th>420x210x450</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (power source only) kg</td>
<td>8.5</td>
<td>18</td>
<td>24</td>
<td>25</td>
</tr>
</tbody>
</table>

*Refer to warranty schedule for details.  
MMAW = Manual Metal Arc Welding (Stick)  
GTAW = Gas Tungsten Arc Welding (TIG)  
GMAW = Gas Metal Arc Welding (MIG)
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