

POWERTEC® i250C & i320C

New inverter based compact welders
ready for tomorrow

DESIGNED WITH WELDERS, FOR WELDERS

POWERTEC® i are new inverter based compact welders for MIG/MAG and MMA welding.

They are available as either the STANDARD (Volt & WFU controls and digital volt/ammeters) model or the ADVANCED (colour screen with 25 synergic curves) model with two welding outputs, 250 or 320A.



Processes
Stick, MIG

Output



Input



WHY POWERTEC® i ?

- » **Designed with welders, for welders**
with attention to details for better comfort
- » **Innovative intuitive interface**
Simple navigation, easy settings and process selection, multi-language menu
- » **Premium arc performance**
Repeatable arc ignition, excellent arc stability, rapid parameter adjustment
- » **Perfect feedability**
Optimized wire positioning, 4 driven rolls, inspection window, LED lights
- » **Ready for the heaviest industrial conditions**
Developed and tested under the hardest conditions (TRUE HD) to grant the reliability you need
- » **More functions and features**
Synergy, 7" colour screen, memories, joint visualization (ARCFX™), multi-languages, USB connection for the Advanced versions

SPECIFICATIONS

| Product | Item Number | Model | Primary Voltage [50-60Hz] | Current Range [A] | Rated Output | Effective consumption [A] | Weight [kg] | Dimensions WxLxD (mm) | Protection Class |
|-----------------|-------------|----------|---------------------------|-------------------|-----------------------------------|---------------------------|-------------|-----------------------|------------------|
| Powertec® i250C | K14157-1 | standard | 400/3Ph +/- 15% | 10-250 | 250A@60% 195A@100% | 14,7 | 66 | 535 x 300 x 635 | IP23 |
| | K14157-2 | advanced | | | | | | | |
| Powertec® i320C | K14158-1 | standard | | 10-320 | 320A@40% 250A@60% 195A@100% | 19,6 | | | |
| | K14158-2 | advanced | | | | | | | |

EXCEPTIONAL ERGONOMICS



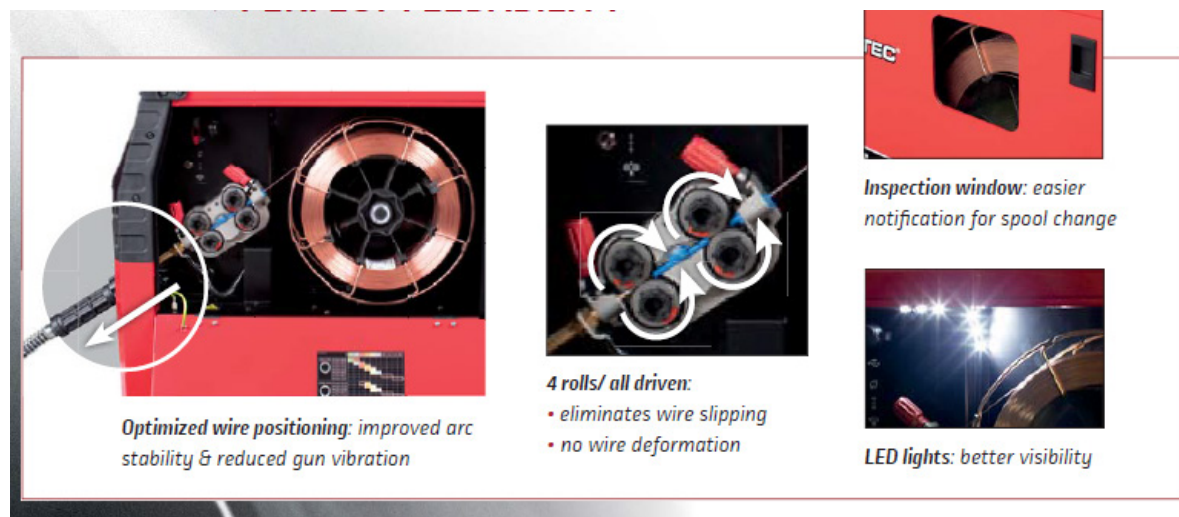
- 1 Ergonomic handle
- 2 7" color TFT screen (advanced models)
- 3 UI protection cover (option)
- 4 Heavy duty undercarriage
- 5 Rubber bumpers (option)
- 6 Gun rest
- 7 Tools storage
- 8 Inspection window
- 9 LED lighting inside feeder chamber
- 10 Low gas cylinder entree
- 11 Lifting eyes

INTUITIVE NAVIGATION



Simple navigation also when using welding gloves.

PERFECT FEEDABILITY



OPTIONS & ACCESSORIES

| Designation | Item Number |
|------------------------|-------------|
| Protective front cover | K14174-1 |
| Rubber bumpers | K14177-1 |
| Polarity change kit | K14173-1 |
| Gas heater kit | K14176-1 |
| Flow meter kit | K14175-1 |

APPLICATIONS

- » On site maintenance
- » Service tasks
- » Construction site
- » General fabrication

FUNCTIONALITIES

| Functionalities | Standard | Advanced |
|------------------------------|----------|----------|
| MIG Manual | ✓ | ✓ |
| FCW Manual | ✓ | ✓ |
| STICK mode | ✓ | ✓ |
| Arc control | ✓ | ✓ |
| Burn-back | ✓ | ✓ |
| 2/4 Stroke | ✓ | ✓ |
| Run-in | ✓ | ✓ |
| Pre- & post gas | ✓ | ✓ |
| JOB Mode / Procedure A-B | | ✓ |
| Synergy | | ✓ |
| Limits / Memories / Jobs | | ✓ |
| ARCFX™ – joint visualization | | ✓ |
| Languages | | ✓ |
| USB connection | | ✓ |
| Locking function | | ✓ |
| Support | | ✓ |
| Work point in mm | | ✓ |