

**TPS**  
WeldTech

**POWERTEC® i250C & i320C**  
**READY FOR TOMORROW**



[www.lincolnelectric.eu](http://www.lincolnelectric.eu)

**LINCOLN**  
**ELECTRIC**



# POWERTEC® i250C & i320C

**POWERTEC® i** are inverter based compact welders for MIG/MAG and MMA welding. 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 300A.

## DESIGNED BY WELDERS, FOR WELDERS

**POWERTEC® i** is designed with attention to details



**Storage Compartment:**  
keep your workstation organized



**Gun Holder:** always at hand,  
ready to work



**Robust Front Cover** (option):  
keep your user interface safe

K14174-1

**Large TFT Colour Screen:** Good visibility from distance



**Rubber Bumpers** (option):  
protect the feet  
of the welder

K14177-1



**Low Gas Cylinder Shelf:** easy install  
of gas bottle



## ➤ INNOVATIVE INTUITIVE INTERFACE

Simple navigation also when using welding gloves.

- Easy setting by selecting process & material thickness
- Visualisation of useful information  
[ARCFX™ joint configuration, welding defects...]
- Multi-language navigation menu

*Intuitive navigation*

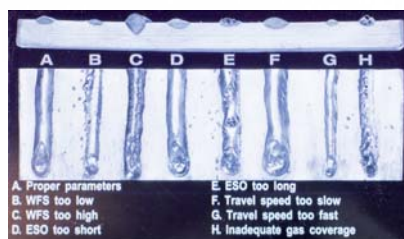


## 7" COLOR DISPLAY !

*Easy Process Selection*



*Instructions on the screen*



## ➤ MORE FUNCTIONS & FEATURES

**Auto**

### AUTO-SETTINGS

Preset parameters to increase productivity



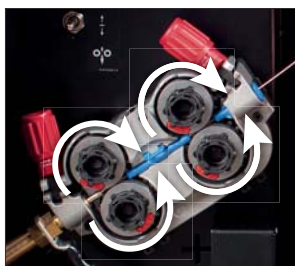
### USB CONNECTIVITY

Easy software update & diagnostics, weld log for quality monitoring

## ➤ PERFECT FEEDABILITY

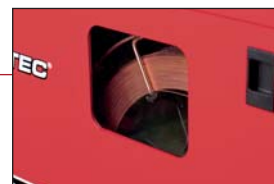


**Optimized wire positioning:** improved arc stability & reduced gun vibration



**4 rolls/ all driven:**

- eliminates wire slipping
- no wire deformation



**Inspection window:** easier notification for spool change



**LED lights:** better visibility



## BUILT FOR THE HEAVIEST INDUSTRIAL CONDITIONS

Developed and tested under the hardest conditions (**TRUE HD**) to grant the reliability you need.



## PREMIUM ARC PERFORMANCE

### ARC INITIATION

Repeatable arc ignition with outstanding arc characteristics.

### ARC STABILITY

Excellent arc stability, ensuring a smooth droplet transfer, with reduced spatter.

### ARC DYNAMICS

Rapid parameter adjustment allowing variability under welding conditions.



## TECHNICAL SPECIFICATIONS

**POWERTEC® i250C & i320C** can be used both for **MIG & STICK** welding of steel, stainless steel, aluminium and MIG brazing applications.



	POWERTEC® i	
	Standard	Advanced
Welding processes	MIG & FCW welding Stick welding	
Setting	manual	auto/manual
Welding parameters	digital meters	large colour screen
Synergic modes	-	25 preset
JOB Mode / A-B	-	✓
ARCFX™	-	✓
Language selection	-	✓
Memory function	-	✓
USB connection	-	✓

POWER SOURCE	POWERTEC® i250C	POWERTEC® i320C
Main power supply	3 x 400 V [±15%] 50/60Hz	
Effective primary consumption [A]	14.7 A	19.6 A
Efficiency at max current	86%	88%
Idle Power [W]	< 25 W	
Power factor at max current	0.85	0.90
Duty cycle (@ 40 °C)		
@ 40%	-	320 A
@ 60%	250 A	250 A
@ 100%	195 A	195 A
Current range max	10 A / 250 A	10 A / 320 A
Dimensions (LxWxH)	635 x 300 x 535 mm	
Weight	66 kg	
To order	Standard version	K14157-1
	Advanced version	K14157-2
		K14158-1
		K14158-2

## ➔ READY FOR TOMORROW



The new European regulation for Welding Equipment will soon be implemented and will require a phase out of conventional equipment.

The new **POWERTEC® i** family complies with this regulation by having a minimum power source efficiency of 85% & an idle consumption which is below the new tolerated limit.

Depending on your application, welding parameters & duty cycle, **you can save up 2.500 kWh\* (~300€) per year and per equipment.**

\* 260A, 2 shifts a day with 30% operator factor

**BUY NOW,  
BE READY FOR  
TOMORROW AND  
START SAVING  
TODAY**

**POWERTEC® i**

**EXCEPTIONAL  
ERGONOMICS**

**INTUITIVE  
INTERFACE**

**PREMIUM  
ARC  
PERFORMANCE**

**BEST  
RELIABILITY  
(TRUE HD)**

**MORE  
FUNCTIONS  
& FEATURES**



## BEING PRESENT LOCALLY MAKES US MORE AWARE GLOBALLY



**2.6**  
BILLION USD REVENUE

**160**  
ACTIVE IN 160  
COUNTRIES  
WORLDWIDE

**11 000**  
EMPLOYEES WORLDWIDE

**120**  
YEARS OF EXPERIENCE

### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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