



**POWERTEC®-i S RANGE  
RELIABILITY, EXTENDED REACH**



# POWERTEC®-iS RANGE










**POWERTEC®-iS RANGE** is a brand new range of Lincoln Electric products based on the latest inverter platform, combining modularity, ease of use and optimal **MIG/MAG** or **MMA** welding performance with excellent power cost efficiency.

Three power sources: **i350S**, **i420S** and **i500S** with a choice of separate wire feeders, standard LF52D for basic use, or the advanced LF56D for more demanding applications, helps customer to fulfill every possible welding needs.

All **POWERTEC®-iS** have the option of water cooling by simply adding the new **COOLARC® 26**.



## APPLICATIONS

<b>Processes</b> GMAW FCAW-G FCAW-S SMAW CAG (i420S/i500S)	<b>Welding of:</b> Steel Stainless Steel Low Alloy Steel Aluminium MIG Brazing	<b>Input</b>    	<b>Output</b>  	  
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## SPECIFICATIONS

Product	Item Number	Primary Voltage	Rated Output	Efficiency	Idle Power	Weight (kg)	Dimensions HxWxD (mm)	Protection Class
Powertec® i350S	K14183-1	400V/3Ph ± 15%	350A@50% 300A@100%	> 85%	< 35W	68	932 x 560 x 925	IP23
Powertec® i420S	K14184-1		420A@100%			78		
Powertec® i500S	K14185-1		500A@60% 420A@100%			79		

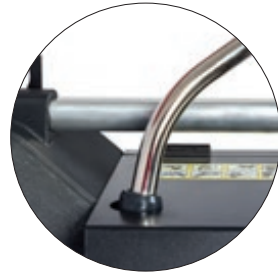
Product	Item Number	Display Type	Rated Output	Feeding System	WFS Range m/min	Weight (kg)	Dimensions HxWxD (mm)	Protection Class
LF52D (Standard)	K14186-1	LED's	500A@60% 420A@100%	4 Rolls/Ø37mm	1.5 ÷ 22	19	516 x 320 x 642	IP23
LF56D (Advanced)	K14187-1	7" TFT						



# LINCOLN RELIABILITY, OPTIMIZED ERGONOMICS



**Simple navigation** also when using welding gloves



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



**Lifting eye**



**Full access for wire spool installation**  
Perfect feedability with 4 rolls and internal lights Drum Ready.

**Front UI protection cover**  
keep your UI safe

**Inspection window**

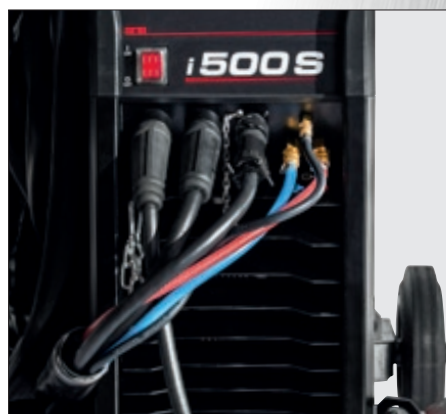


**Cable Management System** (option)

**COOL ARC® 26**  
(option)



**Practical, big storage locker**  
inside the machine  
with key lock, for accessories  
like gun, gloves, rolls, contact  
tips, etc.



**Cable connections on front**  
(in standard)  
**and back rear side**  
(in option).  
**Strain reliefs**  
on both ends to keep  
connections well  
protected.

**Rubber bumpers** protecting feet

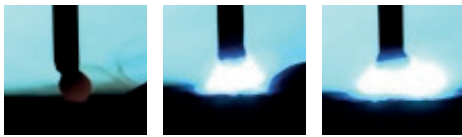


**Heavy duty undercarriage with big wheels**  
Very solid, stable, metal made  
construction

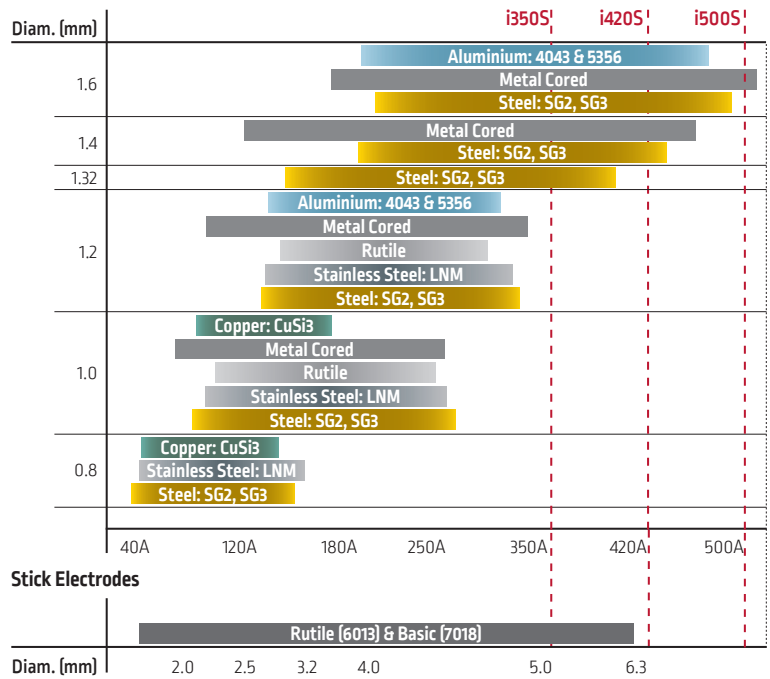


# PREMIUM ARC PERFORMANCE

- **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.



## MIG/MAG Wire



# EXTENDED RANGE UP TO 30M



## ACCESSORIES

Item Number	Designation
K14182-1	COOLARC-26
K14196-1	OUTPUT CONNECTION KIT (PTi350S)
K14202-1	OUTPUT CONNECTION KIT (PTi420/500S)
K14201-1	CABLE MANAGEMENT KIT
K14176-1	GAS HEATER KIT (Powertec-i)
K14198-PG-xM	CABLE PACK Gas x=1/5/10/15/20/25/30m
K14199-PGW-xM	CABLE PACK Water x=1/5/10/15/20/25/30m

# BUILT FOR THE HEAVIEST INDUSTRIAL CONDITIONS

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

- Fully encapsulated and vertical mounted
- Capable of surviving the harshest testing Conditions
- Varnished and potted electronic boards



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

\* 350A, 2 shifts a day with 30% operator factor

Depending on your application, welding parameters & duty cycle, you can save up **3.700 kWh\*** (~480€) per year and per equipment.




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

# BEING PRESENT LOCALLY MAKES US MORE AWARE GLOBALLY

**120+**  
YEARS OF EXPERIENCE

**325+**  
GLOBAL R&D TEAM



 Global Headquarters  
Cleveland, Ohio USA

 Solution Centers

## 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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