



Kymera
INTERNATIONAL

Metallisation
thermal spray solutions

i450

PRECISION CONTROL

Introducing the i450, packed with advanced user controls, intuitive operator interface and energy efficient technology.

With integrated benefits to ease operator setup, the i450 combines a lightweight compact design, interactive GUI and onscreen configuration wizards to maximise productivity.

Coupled with our market leading lightweight pistol, the system has been designed with the user in mind. The onboard technology allows limitless parameter configurations, flexibility to switch between manual & automated spraying and an operation that is more productive thanks to its energy efficiency and quick configuration times.

The system leads the way for Automated Arc Spraying, with robot integration & safety circuits as standard, configurable wire parameters during running cycles and optional remote operator panel and remote connectivity.

*Unless specified the above figures are based on spraying at around 4-6" (100mm-150mm) from nozzle to target piece. Throughput is assumed to be independent of wire diameter.

All data provided is an approximation and is offered as guidance only as performance can vary depending on application and parameters.

APPLICATIONS

- Surface Reclamation
- Oil & Gas
- Aerospace & Defence
- Wind Towers & Structures
- Bridges & Large Steel Structures
- Semiconductors & Electrical Components

ADVANTAGES

- Operator intuitive controls
- Energy Efficient
- Lightweight & Compact
- Manual & Automated operation
- Auto wire loading
- Pre-Configured coating parameters

Typical Performance Figures

Material	Wire Diameter	Stand Off Distance	Throughput (KG/HR @500A)	Substrate Coverage m ² / kg / 100 µm	Coverage Quantity kg / m ² / 100 µm
Metallisation Wire 01E Aluminium	2.5mm	100mm	12.60	3.64	0.27
	2.5mm	150mm		3.11	0.32
Metallisation Wire 02E Zinc	2.5mm	100mm	52	1.14	0.88
	2.5mm	150mm		1.07	0.94
Metallisation Wire 02E Zinc (With Super Spreaders)	2.5mm	100mm	52	1.13	0.89
	2.5mm	150mm		1.06	0.95
Metallisation Wire 21E Zinc/Aluminium 85/15	2.5mm	100mm	34	1.33	0.75
	2.5mm	150mm		1.28	0.78
28E Arctec	2.3mm	*	12	3.85	-
72E Inconel 625	1.6mm	*	13.6 (@300A)	1.02	-



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FEATURES & BENEFITS

ARC150 - A lightweight pistol for maximum comfort

- Industrial 3D printed parts
- Carbon fibre reinforced
- Spray voltage measured at pistol
- Ergonomic handle design
- Reversible V-Rollers

i450 - The most innovative arcspray technology available

- Large, simple graphical user interface (GUI)
- Spray material selector for optimum control
- Industrial plugs / sockets
- 450 Amp capacity
- Spray material selector
- Error reporting screens

DR150 drive unit - Compact, durable and reliable

- Quick release MIG covers
- Additional top set of driven rollers
- Heavy duty (0.55kW) electric inverter drive
- Profiled drive rollers for 1.6, 2.0, 2.3 or 2.5mm
- Ultimate performance & reliability of wire feeding

THE EQUIPMENT

- ARC150 Pistol
- i450 Inverter Energiser
- Inverter wire drive unit
- Configurable Supplies packs
- Optional Trolley
- Optional accessories:
Arc Beam Kit,
Arc Extension,
Remote Connectivity



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