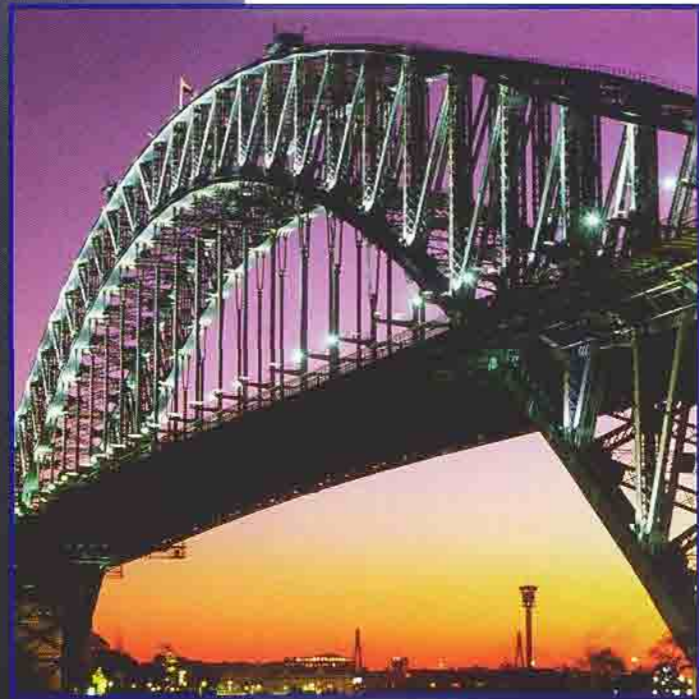
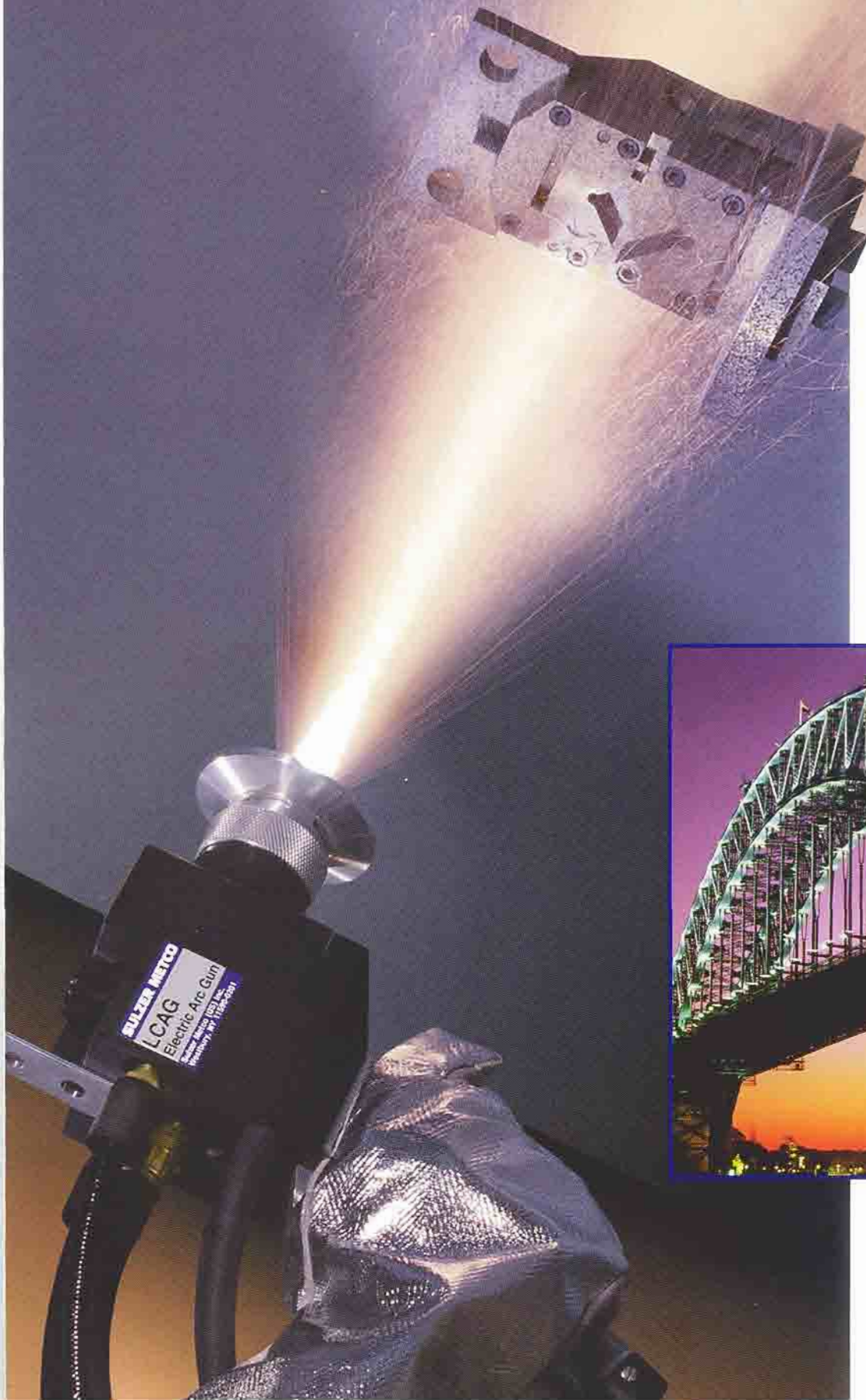


SULZER METCO

ValuArc™ Electric Wire Arc Thermal Spray System

**The Most Advanced
Portable Hand-Held
Arc Spray System**

For top quality coating requiring mobility, economical operation and high consistency. **ValuArc** is the value priced thermal spray solution from Sulzer Metco.



Delivers High Quality Coatings at an Economical Cost!

Design Engineered for Value...

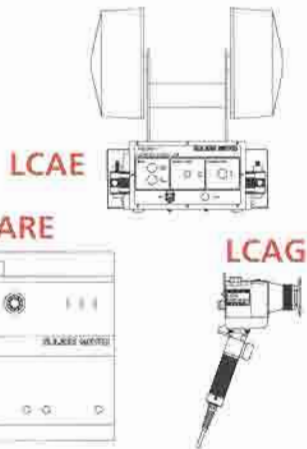
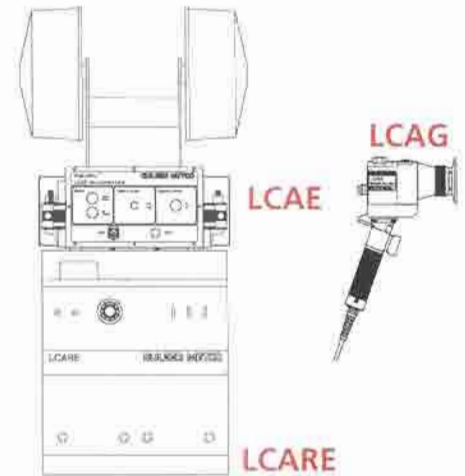
Available in 3 Flexible Configurations for Top Performance!

ValuArc systems can be hand-held or machine mounted for adaptability to any application where high quality coatings need to be applied...featuring the technical innovation, and unrivaled quality of Sulzer Metco, known worldwide as the leader in thermal spray coatings.

ValuArc 100E-Standard

Components (LCAE, LCAH, LCARE, LCAH)

Wire Conduit Length	4m (13 ft.)	Handle	Yes
Soft Wire Hardware	Yes	DC Power Cable Length	4.6m (15ft.)
Wire Straightener	Optional	Supply Air Hose Length	4.6m (15ft.)
Air Cap	Fine	Rectifier Cable Length	1m (3 ft.)
Power Supply Cart	Optional		



ValuArc 200E-Modular

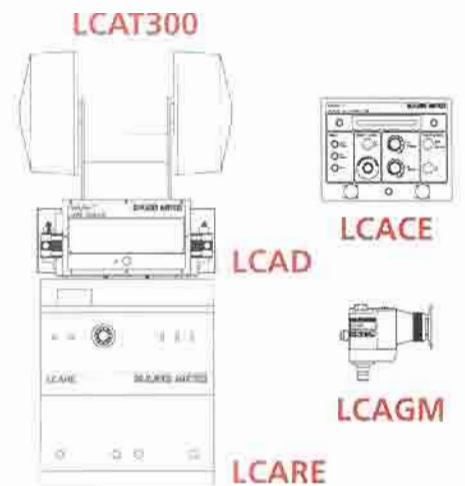
Components (LCAE, LCAH, LCARE, LCAH200)

Wire Conduit Length	4m (13 ft.)	Handle	Yes
Soft Wire Hardware	Yes	DC Power Cable Length	10m (33ft.)
Wire Straightener	Optional	Supply Air Hose Length	7.6m (25ft.)
Air Cap	Fine	Rectifier Cable Length	10m (33 ft.)
Power Supply Cart	Optional		

ValuArc 300E-Tube Mill

Components (LCACE, LCAD, LCAGM, LCARE, LCAT300, LCAH300)

Wire Conduit Length	4m (13 ft.)	Tool Post	Yes
Soft Wire Hardware	Yes	DC Power Cable Length	10m (33ft.)
Wire Straightener	Optional	Supply Air Hose Length	4.6m (15ft.)
Air Cap	High Velocity	Rectifier Cable Length	10m (33 ft.)
Power Supply Cart	Optional		



System Performance Specifications

Power Supply

Maximum Ambient Temperature	105°F (41°C)
Input Amperage	42/28/24A
Input Voltage	200/380/440 VAC
Input Frequency	50/60Hz
Output Voltage	7 - 32 VDC 100% Duty Cycle
Output Amperage	30 - 200A 100% Duty Cycle
Amperage/Voltage Meter	Digital
LxWxH	686mm (27") x 495mm (19.5") x 546mm (21.5")
Weight	136kg (300 lbs.)

Gun

Weight	1.5kg (3.3 lbs.)
Wire Sizes	1.6mm(14ga.)/2mm/2.3mm (11ga.)
Mounts	Hand Held

Controller

Air Pressure Required	2.7 - 4.5 bar (40 - 65psi)
Air Flow Required	58 - 105 M ³ /hr. (2200-4000 Ft ³ /hr.)
LxWxH	660mm (26") x 495mm (19.5") x 229mm (9")
Weight	32kg (70 lbs.)
Power	Controller plugs into power supply, no additional transformer required.
Wire Spool Holders	300mm (12") x 100mm (4")

Available Options

Gun

Fan Air Cap Kit (includes regulator)	LCAG55864
Focused Air Cap	PPGFA56853
High Velocity Air Cap Kit	LCAG51777
High Profile Air Cap Kit	LCAG51735

Wire Kits

14ga. (1.6mm) Hard Wire Kit (includes wire straighteners)	LCAG55831
2mm Hard Wire Kit (includes rollers & straighteners)	LCAG55832
11ga. (2.3mm) Soft Wire Kit (includes rollers & straighteners)	LCAG55833

Operation

14ga. (1.6mm) Long Life Contact Tips	LCAG51920
2mm Long Life Contact Tips	LCAG51921
Gun Machine Mount Post	LCAG54967
Reseal Kit	LCAG55010
Power Supply Cart	LCART
Safety Kit - Ear Protectors, Face Shield	
Aluminized Gloves, Body Protector	MS

Get Top Results From ValuArc With Sulzer Metco Wires!

Wire Composition and Spray Rates

DESIGNATION	CHEMICAL COMPOSITION %	SPRAY RATE KG (LBS.) PER HR@200A
Soft Wires		
Metco Al	99 % Al	4.7 kg (10 lbs.)
Metco Zn	99.95 % Zn	18.1 kg (40 lbs.)
Metco SF Aluminum AW	Al 6Si	4.1 kg (9 lbs.)
SM 8234	Al 12Si	4.1 kg (9 lbs.)
Metco Sprababbit	Sr - 7.5% Sb 3.5% Cu	25 kg (55 lbs.)
Hard Wires		
Metco Copper	99.9% Cu	11.3 kg (25 lbs.)
Metco 470 AW	Ni - 25% Fe 15% Cr	6.7 kg (15 lbs.)
Metcoloy 2	13% Cr Steel	8.2 kg (18 lbs.)
Metcoloy 5	Fe 18% Cr 5% Ni (aust. CrNi steel)	9.1 kg (20 lbs.)
Metco Sprabronze AA	Cu - 9% Al 1% Fe	6.8 kg (15 lbs.)
SM 8276	Ni - 15% Cr 16% Mo 6% Fe 4%W	9.1 kg (20 lbs.)
SM 8400	Ni - 5% Al	9.1 kg (20 lbs.)
SM 8228	99% Molybdenum	4.5 kg (10 lbs.)
SM 8500	Ni 45Cr 1Ti	8.2 kg (18 lbs.)
SM 8625	Ni - 21.5% Cr 8.5% Mo 3Fe 0.5Co	6.4 kg (14 lbs.)
SM 8718	Ni - 19% Cr 18% Fe 3Mo	5.7 kg (12.5 lbs.)
Cored Wires		
SM 8222	Fe - 28% Cr 5% C 1% Mn	6.3 kg (14 lbs.)
SM 8223	Fe - 21% Mo 4 B4C	6.4 g (14 lbs.)
SM 8443	Ni - 18% Cr 6% Al	9.1 kg (20 lbs.)
SM 8447	Ni - 5% Mo 5.5% Al	9.1 kg (20 lbs.)

ValuArc... FOR COST-EFFICIENT SUPERIOR COATING QUALITY!

The ValuArc™

Electric Wire Arc Thermal Spray System

Design Engineered for Value, ValuArc Performs...

Delivers high coating quality, consistency, durability and ease of use... at an economical cost! Using a new advanced gunhead design, ValuArc applies highly uniform quality coatings and its 1.5 Kg/3.3 lb. weight allows for hand-held operation—ideal for anti-corrosion applications in the field.

Simple Design and Operation...

The push wire drive allows a totally balanced gun design for easy manipulation. Its durable construction and unique "Smart Handle" controls ensure flawless productivity in the most demanding on-site locations.

- Superior high density/low porosity coatings
- "Free-flow" air design allows low 2.8 bar (40 psi) spraying
- Well-balanced ergonomic gun speeds workflow
- Portable and lightweight for total control
- Versatile full-range 30 to 200 amp spraying
- Multiple expansion options for adaptability
- Available in 3 configurations

The Electric Wire Arc Process

Electric Wire Arc coating systems continuously and simultaneously feed two metallizing wires at a uniform rate of speed through electrical contact tubes in the spray gun. The wires are electrically energized and precisely guided to an intersecting point.

When the wires intersect, an electric arc is established and maintained. A nozzle located behind the intersection point of the wires directs a high velocity airstream at the molten wire tips, producing a fine metal spray that is propelled with great control onto the surface being coated.

Sulzer Metco Perfects It!

Sulzer Metco has perfected the ValuArc Electric Wire Arc process by making the wire feed drive system more robust. Using a larger motor and high quality rollers, its push only design achieves optimum performance. The "free-flow" gunhead has less restrictions allowing the widest range of adjustability in airflow to suit your application.



The ValuArc™

Electric Wire Arc Thermal Spray System

The Power To Perform!

- Corrosion Protection
- Repair & Rebuilding
- Dimensional Restoration
- Surface Wear Prevention

More Productivity...

Convenient "Smart" handle controls with just a click...get air only for cleaning and cooling, wire feed for easy loading or fully adjustable spray...reduces operator time and motion in changeovers!

More Value...

ValuArc is a high performance system with a rugged design from Sulzer Metco...engineering technical innovation and delivering more value...at a cost-efficient price!

More Performance...

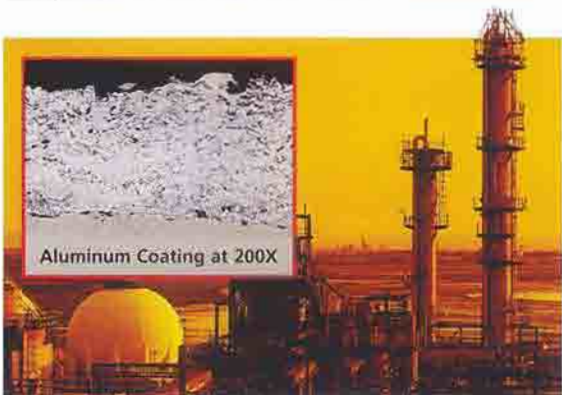
Modular construction and well-balanced lightweight gun allows coatings to be applied when and where you need them ... ValuArc delivers Sulzer Metco quality with the ability to be hand-held or machine mounted!

- Advanced gunhead design assures top quality coatings
- Constant 30-200 amp 100% duty cycle spraying
- High velocity aircap provides superior coating density
- Portable and lightweight 1.5Kg (3.3 lb) gun design
- Controller and gun conform to CE standards
- Heavy-duty construction that is built to last

More Wires...

Uses Sulzer Metco quality Cored Wires for the customized blend of materials specifically designed for your application... a full range of Soft Wires and Hard Wires also available!

ValuArc...
Sulzer Metco Quality
At A Cost-Efficient Price!



Photos... from top to bottom: Offshore Drilling Platforms, Marine and Shipbuilding Large Scale Fabrication, and Storage Tanks