

Arc Spray System

Auto Arc **AVD350CE**

(Unit Pictured With Optional XMT Power Supply)

Recommended Use: Engineered Coating / Remanufacturing using solid or cored wires in shop environments.

Can be operated manually or automated using 1/16", 2mm, or 3/32" dia. hard wires.

Thermion®'s AVD series utilizes our latest technology. The patented **"AVD"** or Arc Voltage Drive automatically controls the motor speed to maintain a perfect arc gap which creates consistent high density coatings. Coupled with our recently developed Jet Force Head, which is a closed nozzle design, we are achieving unprecedented coating quality for the twin wire arc process. This new method of controlling wire feed along with reversing the wire at the end of the spray cycle thus eliminating wire fusing and allowing for smooth starts every time the trigger is pulled.



All Thermion® **AVD** metallizing systems are using the most advanced, long-life, friction-free wire drive assemblies that include sealed roller bearings for the feedrolls and the v-grooved bearings used for wire straightening. The wire straighteners are designed into the wire drive assembly and can be easily adjusted to the wire size being sprayed. The clamping pressure for each feedroll is automatically adjusted according to wire size and type. This quick and simple wire clamping system allows consistent, trouble-free feeding of all spray wires.

Our light weight Front End Assembly consists of two combination leads which carry the power, air and wire along with a small supplemental air line and the trigger cord. This creates a very flexible and durable 13' gun. For the AVD 350 we have attached the Jet Force gun to create low porosity coatings.



The AVD 350 is most commonly used for machine element coatings, or dimensional restoration for shafts, pump casings, paper rolls etc. All wire types from 1/16" to 3/32" can be sprayed with this system. Increasing wire size is very productive when applying wear coatings, coatings for chemical corrosion atmospheres as well as galvanic protection coatings. A new area metalizing is being used in what is know as Achitecitur al coating using materials such as copper, bronze etc. There has also been a drastic increase in Architectural coatings using materials from the copper and bronze family.

Features:

- Feeder is close coupled with a Miller Power Supply.
- Industrial Cart is manufactured for harsh environments
- Jet Force Gun technology with 13' ft. leads to produce high quality engineered coatings
- **"AVD"** Arc Voltage Drive technology

Power and Air Requirements

- **Air:** 80-100 Psi @ 65 cfm, inlet line- no less than 1/2" diameter
- **POWER:** Single or Three Phase – 50/60 Hz

For more information, please contact us at +66 (0)81-912-3299 or +66 (0)89-132-2132
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Options:

(Please specify wire size)

- **1/8"** Fan spray front end assembly
- Flame retardant cover
- Stretchout cable package
- Tool Post Mounting
- Digital Volt and Amperage Meters
- Digital Wire Feed Rate Meter