

ARCJET 96-DUAL™

Metallizing Equipment Co Pvt Ltd (MEC), a Pioneer of Thermal spray technology is proud to announce their newly developed multi purpose arc spray system ARCJET 96-DUAL™. As of now there are two different systems available in the market: Air operated spray gun and Electric Driven motor operated spray gun. The ARCJET 96-DUAL™ is the first of its kind developed in the world of thermal spray equipment segment for operating both the spray guns with a Single Control system.

The ARCJET 96-DUAL™ system works for two operating modes called as Pneumatic and electric Driven for supplying metallizing wire to the spray nozzle. In the first mode the spray gun (ARCJET-96(AIR) SPRAY GUN) is hand held and pulls the wire into the nozzle

to get atomized. Where as in second mode the spray gun (ARCJET-96 ED SPRAY GUN) is attached to an electric driven motor to pull the wire into the spray stream.

When there is a need to operate the spray gun on Lathe tool post or robot mounted, ARCJET 96 ED is most suitable, while for coating on odd shaped jobs the ARCJET-96 (AIR) is recommended for manual operation as it is light in weight.

The system is completely mobile and is mounted with trolley wheels for the ease of movement according to the need of the operation. A high velocity air facility is inbuilt in the control panel to increase the velocity of the particle for enhanced deposition efficiency, bond strength and fine spray.

Selector switch for changing operation mode (AIR/ED)



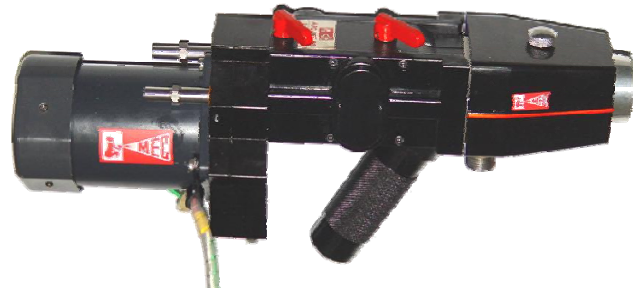
ARCJET 96- ED spray gun mounted on KUKA robot for automated operation



ARCJET 96-DUAL™ : Power source inbuilt with control panel



ARCJET-96
(air driven)
SPRAY GUN



ARCJET-96 ED (electric driven) SPRAY GUN



Air Cooled cap, high temperature and wear resistant nozzle head (patent applied)



Combined Gun holding and wire spool stand

SPECIAL FEATURES INCLUDES:

- The system can switch over between electric driven and pneumatic motor driven spray guns(ARCJET-96 ED & ARCJET-96AIR) just by a selector switch.
- The control panel inbuilt with power source is **tiltable**, thus causing easy repairing and maintenance when needed.
- It has air cooled technology (forced air) to keep the air cap, nozzle positioner and spray head cool without spending extra air, thus preventing overheating at higher spray rate (ampere), Close nozzle head assembly with conical air flow ensures high bond and fine spray (patent applied).
- ARCJET 96-DUAL™ system is a diode based with no complex electronic circuit involved. Rugged design perfectly suits for continuous production work.
- An external interface (digital I/O) is provided for robot control & safety interlocks.
- The entire system including spray gun conforms to safety standards (CE marked) approved by Euro cert SA.
- ARCJET 96- DUAL™ system is available in 400 & 600 Amp. capacity.



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