

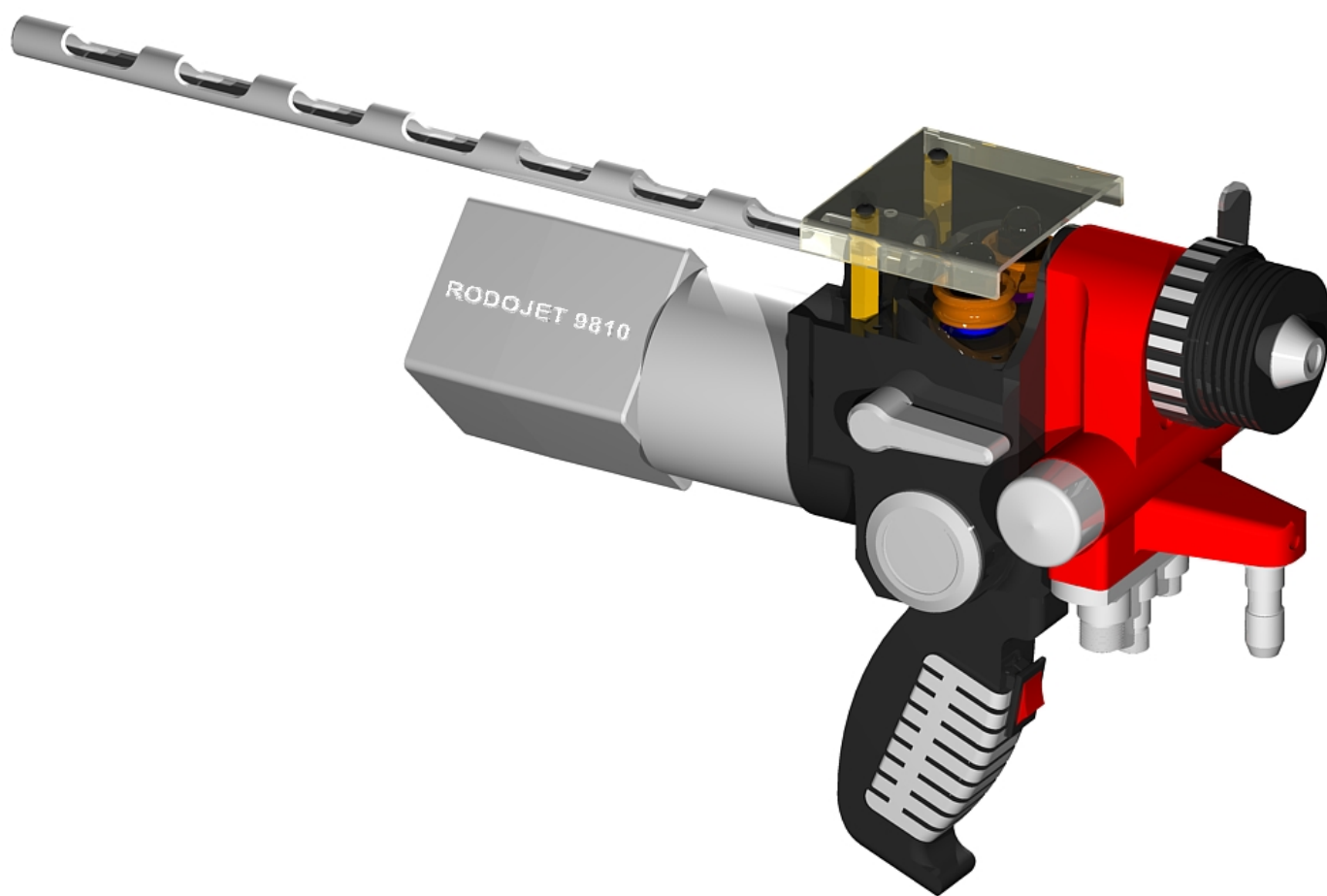
MEC



THERMAL SPRAY FACILITIES

COATING SYSTEMS FOR HVOF, PLASMA, FLAME SPRAY, ARC SPRAY & ROD SPRAY

RODOJET® 9810



SPRAY CERAMIC & CERMET RODS



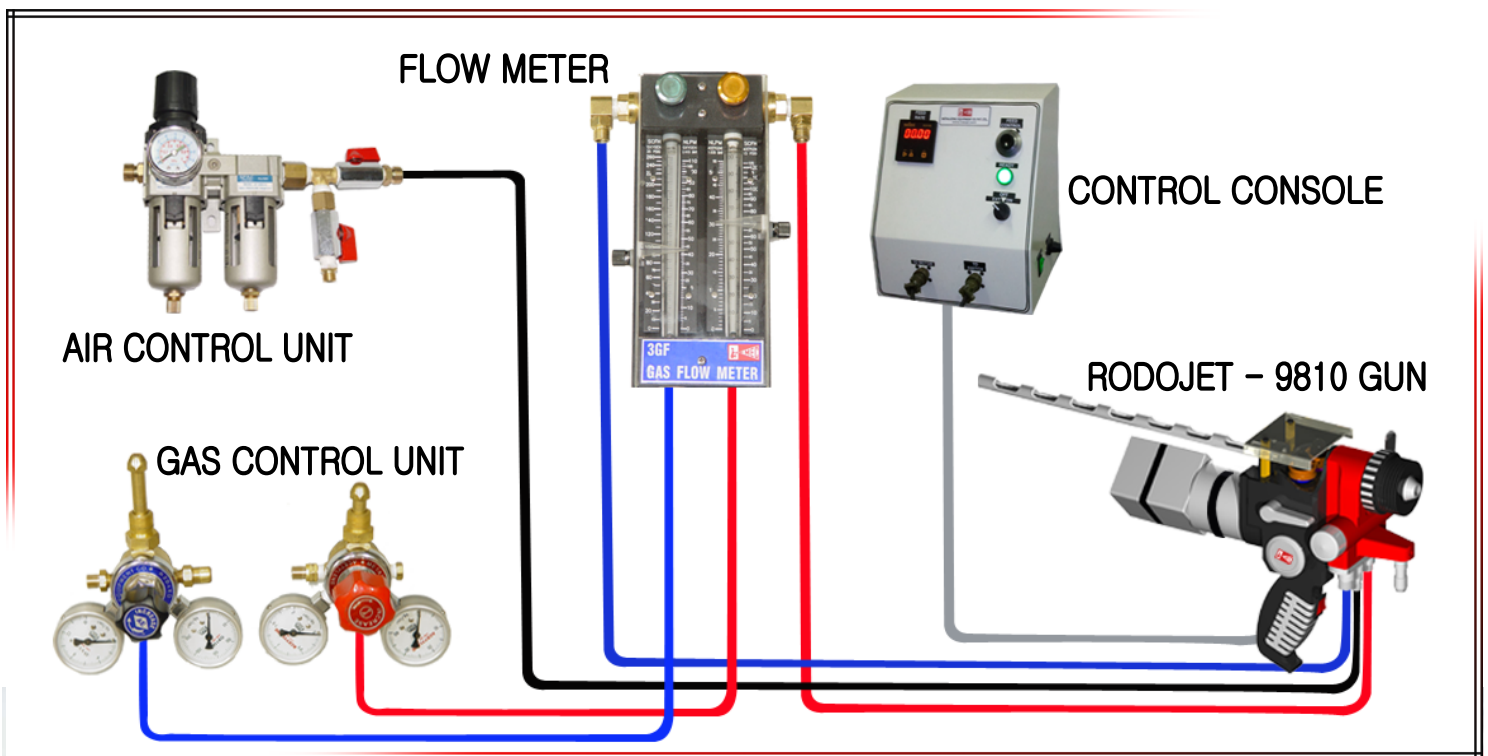
ROD FLAME SPRAY SYSTEM

RODOJET-9810

RODOJET 9810 is the state of the art system for combustion flame spraying of ceramic rods. The RODOJET-9810 system is a perfect combination of the low cost operating flame spray equipment & high quality ceramic coating. The unique feature of Rodojet-9810 system is that the rod material is **fully**

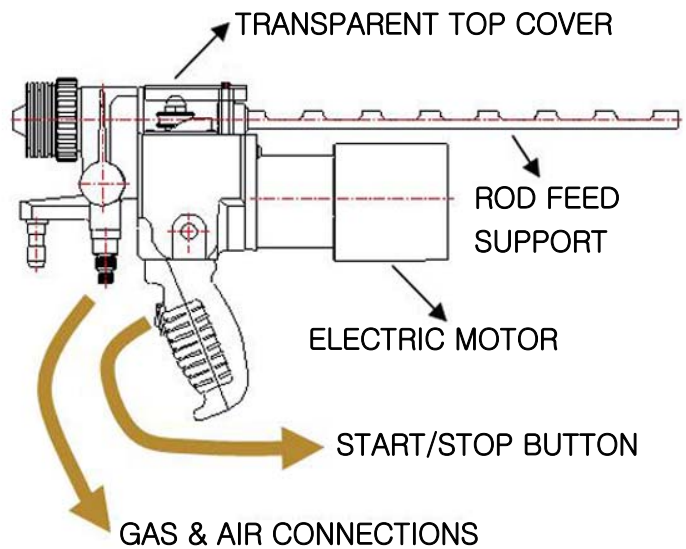
melted in the flame stream before being projected onto the surface. No unmolten material will be deposited over the substrate. Hence, the molten particles have high kinetic energy and high thermal mass to remain molten until they reach the substrate.

ASSEMBLY OF RODOJET-9810 SYSTEM

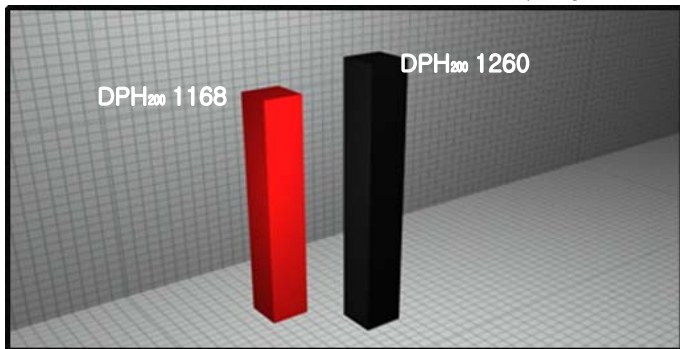


SALIENT FEATURES OF RODOJET-9810

- Uses simple Oxygen & Acetylene gases for combustion.
- No requirement of cooling water & inert gas.
- Rods of diameter 4.75 mm (3/4") to 6.35 mm (1/4") can be constantly fed.
- Ceramic rods of Chromium Oxide (Cr_3O_2) Alumina – Titania (Al_2O_3 TiO_2), Alumina (Al_2O_3), Ytria Stabilized Zirconia (YSZ) and many others can be sprayed.
- Transparent top cover on the gun body to view rod movement & enhanced safety.



Hardness Comparison Of Cr_3O_2 Spray With RODOJET-9810 & Plasma Spray



Plasma Spray

Rodojet-9810

Ceramic rods used in different applications

PRODUCT NAME	MATERIAL	DIAMETER
ROKIDE A	ALUMINA	3.16" (4.75mm)
ROKIDE MBA	ALUMINA	1/4" (6.35mm)
ROKIDE HPA	ALUMINA	1/4" (6.35mm)
ROKIDE C	CHROMIUM OXIDE	3.16" (4.75mm)
ROKIDE TC	CHROMIUM OXIDE	1/4" (6.35mm)
ROKIDE MBC	CHROMIUM OXIDE	1/4" (6.35mm)
ROKIDE EZ	ZIRCONIA	1/4" (6.35mm)
UNDER COAT RODS	NICKEL CHROME80/20	1/4" (6.35mm)

Courtesy: Saint Gobain

WHY RODOJET-9810?

The quality of coating provided by RODOJET-9810 is good or even better than plasma sprayed coating. There are no un-melted particles in the spray stream; Thus increasing the bonding between the particles and the substrate for better wear and temperature resistance.

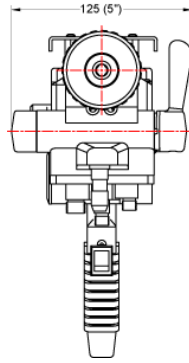
When it comes to economics, both capital as well as operational costs are substantially low. There is no need of any costly gas or skilled operator as compared to plasma spray. The process is completely safe due to less noise and negligible radiation.



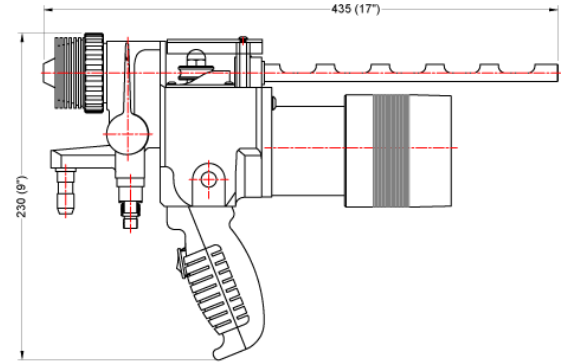
TECHNICAL SPECIFICATIONS

GAS PARAMETERS

GAS	OPERATING PRESSURE	CONSUMPTION
ACETYLENE	1.0 bar(14.5 PSI)	1.7m ³ /hr
OXYGEN	2.2 bar(32 PSI)	2.7m ³ /hr
COMPRESSED AIR	6 bar (87 PSI)	
GUN NET WEIGHT (without hoses)	2 Kg (4.4 lb) Aprox	



DIMENSIONS



APPLICATIONS



MECHANICAL SEALS



PUMP SHAFTS



EMBOSSING ROLLS & ARMATURE SHAFTS



DRIVE ROLL ASSEMBLY



PUMP IMPELLER



PAPER MILL ROLL



METALLIZING EQUIPMENT CO. PVT. LTD.

E-101, M.I.A, Phase-II, Basni, Jodhpur-342005 (India)

Ph.: +91 291 2747601 Fax: +91 291 2746359

E-mail: sales@mecpl.com

marketing@mecpl.com

Web : www.mecpl.com