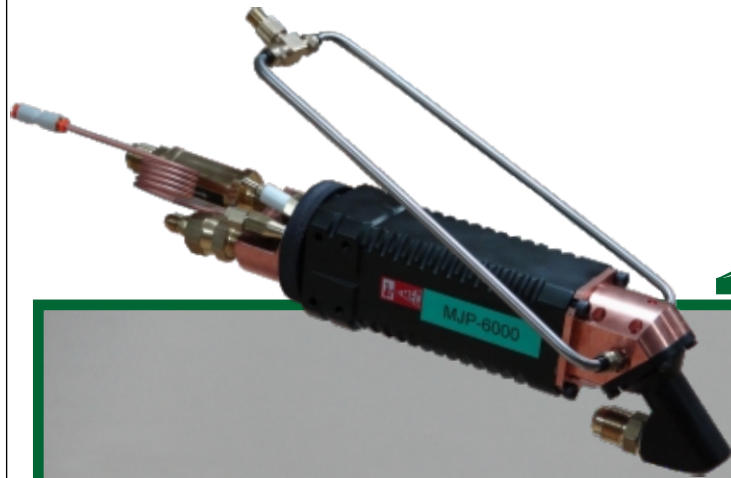


MEC



THERMAL SPRAY FACILITIES

AUTOMATIC SYSTEMS for HVOF, PLASMA, FLAME SPRAY, ARC SPRAY & ROD SPRAY



A TYPICAL HVOF
(LIQUID FUEL) SYSTEM



SPRAYING INSIDE PIPE

MEC INTRODUCES MJP 6000™ GUN FOR APPLYING HARD COATING IN INTERNAL DIA. & DIFFICULT TO REACH AT AREA.

THIS GUN CAN BE ATTACHED WITH ANY STANDARD HVOF (LIQUID FUEL) SYSTEM.

MJP - 6000™

HIGH PRESSURE - HIGH VELOCITY OXY-LIQUID FUEL SPRAY GUN

MJP-6000™ ANGULAR HVOLF GUN

MJP-6000™ gun is the state of the art for HVOF coatings on internal diameters. It is used in conjunction with standard HP-HVOLF system such as Xpojet-5000®, JP-5000® or equivalent. Unique design of offset combustion chamber allows angular spray in the compact gun design.

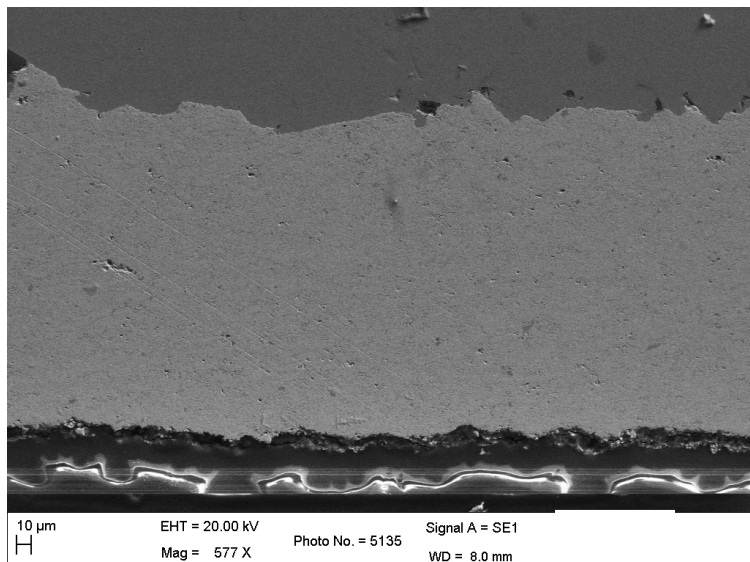
SPECIFICATIONS :-

INTERNAL COATING DIAMETER	160 mm minimum
SPRAYING ANGLES	45° & 70°
NET WEIGHT (WITHOUT HOSES & MOUNTING BRACKETS)	4.70 kg, approx.
SPRAY RATE	60 gm/min maximum
COATING THICKNESS	2.0 mm maximum
HVOF CARBIDE POWDERS	Particle size +5 - 30 MICRONS

COATING PROPERTIES *

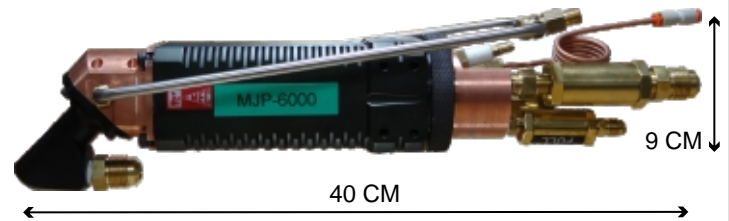
HARDNESS	Upto 1200 VHN
POROSITY	<0.9%
BOND STRENGTH	>10,000 PSI
DEPOSITION EFFICIENCY	Upto 41%
COATING ROUGHNESS	2-4 Ra

* For WC-10Co-4Cr (+5 -30) with 70° angular head



Microstructure with WC-10Co-4Cr powder,
(Particle size +5 -30 microns)

MJP - 6000™



* PATENT APPLIED
* DESIGN REG NO- 249096

Gun is available with 45° & 70° angular spray heads.

ADVANTAGES & FEATURES :-

- ✍ Unique design allows to coat on narrow areas/internal diameters.
- ✍ Less consumption of gases at optimum spray rate.
- ✍ Run on standard control console of HP-HVOLF coating system (Xpojet-5000 or equivalent).
- ✍ Light weight gun (4.7kg) thus allows to operate manually, if required.
- ✍ Handling of hoses are easy as all hose connections are axially from back of the gun.
- ✍ Generates the good coating properties with specified operating parameters.
- ✍ More rugged design to operate in harsh environments.
- ✍ Easy & quick change of parts.
- ✍ Available in standard hose connection fittings for immediate use with standard HP-HVOLF system (like Xpojet 5000 or equivalent).
- ✍ Precision components designed for reliable & repeatable coatings incorporating high safety standards.

GROSS WEIGHT 7.40 KG

SHIPPING VOLUME
47cm(L) x 22cm(H) x 43cm(W)



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INFORMATION GIVEN IN THIS LITERATURE MAY BE CHANGED DOC# MEC/MJP/6000/2013