

MEC



THERMAL SPRAY FACILITIES

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



POWDER SPRAY GUN (6P-II type)



HEAVY DUTY WIRE SPRAY GUN (5K type)



ROD SPRAY GUN

WITH THIS PANEL, ALMOST ALL LOW VELOCITY WIRE, ROD & POWDER SPRAY GUNS CAN BE OPERATED AUTOMATICALLY AND DISTANTLY

AUTOMATIC CONTROL PANEL

MODEL : AP-2200

Brief Introduction

Automatic Control Panel which CAN OPERATE ALL TYPES OF LOW VELOCITY WIRE, ROD & POWDER SPRAY GUNS like SPRAYJET-5MC (5K type), SPRAYJET-88-EL, POWDERJET-86 (6P-II type), RODOJET-9800. The user can remotely start / stop the gun as well as wire/powder. The PLC controls the Start & Stop sequences, monitors the flame and the pressures of various gases. The panel is compact and robust for rough and tough operation. The PLC displays the status and any fault in the system.

Specifications

Dimensions (in mm)	600 x 350 x 750 (excluding stand)				
Electricity	230 V / 1P / 50 Hz 110 V / 1P / 60 Hz (on request)				
Power Consumption	100 W approx.				
Net Weight	70 Kg. (excluding stand)				
Inlet Gas Pressure (BAR)	LPG	Propane	Acety	Oxygen	Air
	2.5	2.5	1.1	5	7

Safety Features

- * Constant monitoring of flame ensures an immediate stopping of gases if flame disappears due to back fire or gas blockage.
- * The gas pressures are constantly monitored and if they fall below the operating range, the gun is switched OFF. The PLC will display the fault message.
- * The electric circuitry is completely separated from the gas fittings. The gases are thus prevented from contacting electricals.
- * Continuous AIR purging inside the gas tubing zone, prevents the accumulation of hazardous gases.
- * The gas flowmeters have built in safety NRV.
- * The Voltage control relays and surge arresters protect the panel from damages due to fluctuation in voltage.
- * External interlocks can be provided for spray booth, pump etc.
- * The fault signals can be used externally to trigger alarm or operate an external system.

Flexibility

- ✧ Remote operation i.e. (1) Start & Stop the gun, (2) Fault Indication, (3) Start/Stop Wire Feed
- ✧ Different FUEL Gases can be used (e.g. LPG, PROPANE, ACETYLENE, PROPYLENE).
- ✧ Panel can be hanged on wall as well as mounted on a stand.
- ✧ Each parameter can be set manually for ignition and full flow setting using different gases.
- ✧ For Powderjet-86 (6P-II type), a Powder Feeder (PF-3350-A) can be integrated to this system.
- ✧ Can be interfaced with auxiliary equipment like Dust Collector, Robot, X-Y Manipulator, Turntable etc.

Quality Built

- ⊗ Complete S. S. Tube fittings and tubings.
- ⊗ Solenoid valves, electrical parts are of reputed brands like PARKER & SCHNEIDER and CROUZET.
- ⊗ Accurate wire feed control using sensorless vector control technology.
- ⊗ Wire feed rate is displayed in cm/min.



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