

ID-Nova Compact Controller ***Computerized HVOF spray system***



Spraywerx ID-Nova Compact Controller is a mass flow controlled computerized HVOF spray system capable of operating HVOF guns such as ID-Nova, Mini-Nova and DJ. The ergonomically styled operator panel contains the complete electrical, oxygen, fuel, cooling and carrier gas control. The main components of the electrical control are the Siemens Operator Panel KTP 700 Basic DP and the Siemens PLC type S7.

The adjustment and management of the spray parameters are performed using operator panel touchscreen. The actual operation of the plant is carried out with heavy duty push buttons and keys. The easy to read colour monitor, offers the possibility of an uncomplicated process monitoring. The visual presentation of the process, in which the most essential parameters are shown in a graph form, is a perfect tool for a state-of-the-art process monitoring.

Key Controller Features and Specifications:

- Siemens operator panel HMI
- Siemens PLC type S7
- Mass flow controller for each gas
- Oxygen 300 l/min
- Hydrogen 800 l/min, ignition bypass 50 l/min
- Air/nitrogen 600 l/min torch cooling gas (type of cooling gas can be chosen on control menu)
- Cooling water monitoring: inlet and outlet temperature sensors, water flowmeter
- Sensors for oxygen inlet and outlet pressure
- Sensors for hydrogen inlet and outlet pressure
- Sensors for torch cooling gas inlet and outlet pressure
- Sensors for carrier gas inlet and powder feed line outlet pressures; carrier gas line capable of maximum feed line outlet pressure of 9.5 bar (138 psi)
- Gas warning device
- Dimensions L x D x H: 600 x 600 x 1.000 mm (23.6" x 23.6" x 39.4")