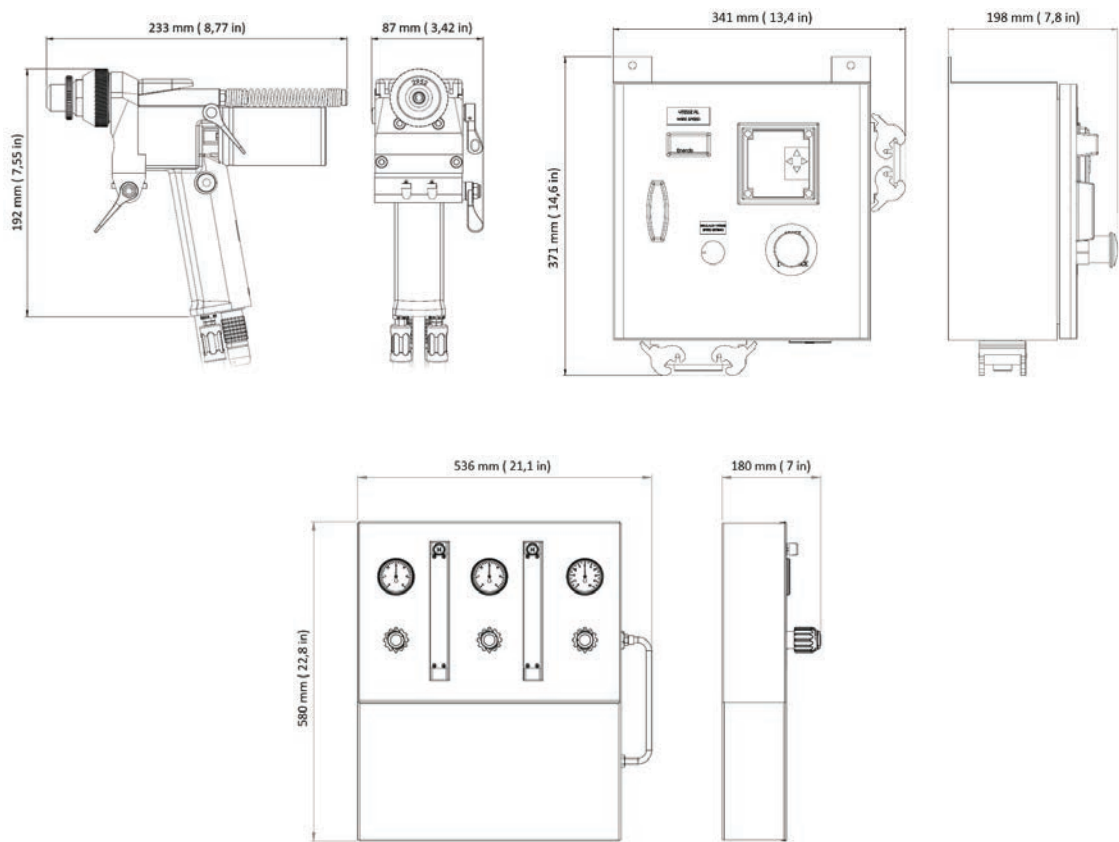


Master Jet 3s – Control unit	
Siemens PLC with LCD screen display - Material feeding speed display - Potentiometer for material feeding adjustment – Emergency stop	
LCD screen functions	Displays equipment state information (Supplies pressure missing, gas lever open, material feeding, in spraying, loose of the hand operator signal, electric motor fault, emergency fault...) White, orange, and red backlighting of the screen for state of the equipment highlighting at distance.
Temperature	-20 ... +55 °C (atmospheric)
Electrical supply	110/240 VAC - 50/60 Hz – 150 W max
Weight	6,7 kg – 14,7 lbs

Master Jet 3s – Gas control panel	
Stainless steel frame - 3 gases Oxygen + Fuel gas (Acetylene or Propane) + Compressed air – 3x pressure regulators – 3x gauges – 2x ball flowmeters (oxygen + fuel gas) – 3x pressure switches – Fuel gas flow sensor – 3x solenoid valves	
Monitoring of the supplies pressure	-20 ... +55 °C (atmospheric)
Weight	9 kg – 19,8 lbs

Master Jet 3s - Gun	
Acetylene or propane fuel gas compatible – Wire, Flexicord and Rokide rods material compatible – from 1,5 to 5 mm (1/16 in to 13/64 in) diameter. Powerful and accurate brushless electric motor with integrated speed sensor – Effortless operator's hand sensor – Multifunction press button – Feed roll pressure adjustment.	
Material feeding speed range (closed loop speed control)	0,07 to 7 m/min – 2,75 – 275 in/min
Multifunction press button	Reset de installation, start/stop the material feeding, purging of the gases. Integrated LED indicator for material feeding quick feedback.
Weight	1,8 kg – 4 lbs

Master Jet 3s – Hose package	
10 m length - Crimping of hoses and flashback arrestors/non return valve according to EN 1256 – ISO 3821	



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The information contained in this document is believed to be accurate and reliable but is presented without guarantee or warranty on the part of Saint-Gobain Ceramics and Plastics Inc. Nothing herein should be interpreted as an authorization or inducement to practice any patented invention without a license.

MASTER 3s
JET

SMART
SAFETY
SWITCH



COATING SOLUTIONS



MASTER 3s JET

SMART SAFETY SWITCH

- Diagnostic available to the operator for safer operations and guidance
- Optical sensor that detects the presence of a hand or a robot mount: effortless use
- Cuts all gases if sensor does not detect hand
- One of the lightest guns that is intuitive and ergonomic
- Hand switching does not cause interruption

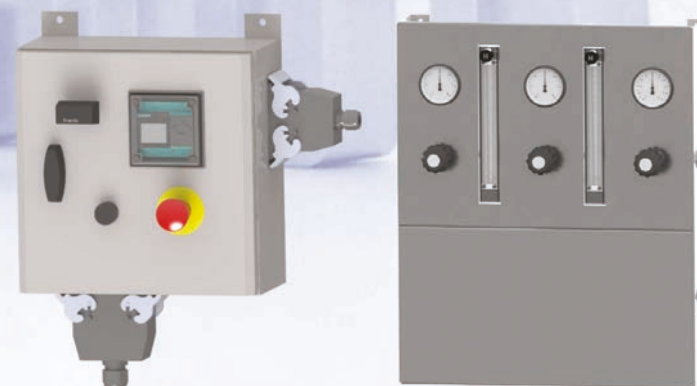
ONE GUN. ALL MATERIALS

- With the MasterJet 3s all traditional thermal spray materials can be sprayed: Metals, ceramics, carbides
- No hardware change necessary, the brushless electric motor has seamless speed adjustment accommodating both high and low-melting point materials
- Axial feeding of material, be it metal wires, our Flexicords or Rokide® rods, ensures the highest quality coatings obtained by flame spraying

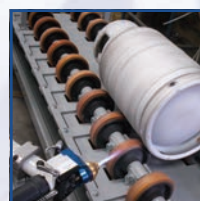


A BROAD RANGE OF APPLICATIONS

The versatility of the Master Jet 3s makes it the solution to a variety of surface engineering challenges in applications such as: anti-corrosion, sliding bearings, pump shafts and valves, molten metal contact, capstans, thermal barrier, extrusion dies...



- Pressure control
- Fuel gas flow sensor
- All your spray parameters at a glance



The Master Jet 3s is the best in class flame spray gun

OPTIMIZED DESIGN

Very compact:

233 x 87 x 192 mm - 8,77 x 3,42 x 7,55 in

1,8 kg - 4 lbs

POWERFUL FEEDING

Brushless motor for long life expectancy

Integrated closed-loop wire speed sensor for

real speed displaying - 0,07 to 7 m/min

2,77 to 275 in/min

PROPANE OR ACETYLENE

Wires

- 1,5 to 5 mm

- 1/16 to 3/16 in

All Flexicords

All Rokide® rods



THE HEART OF THE 3s TECHNOLOGY

Optical sensor which detects your hand effortlessly.

COATING SOLUTIONS

SAINT-GOBAIN