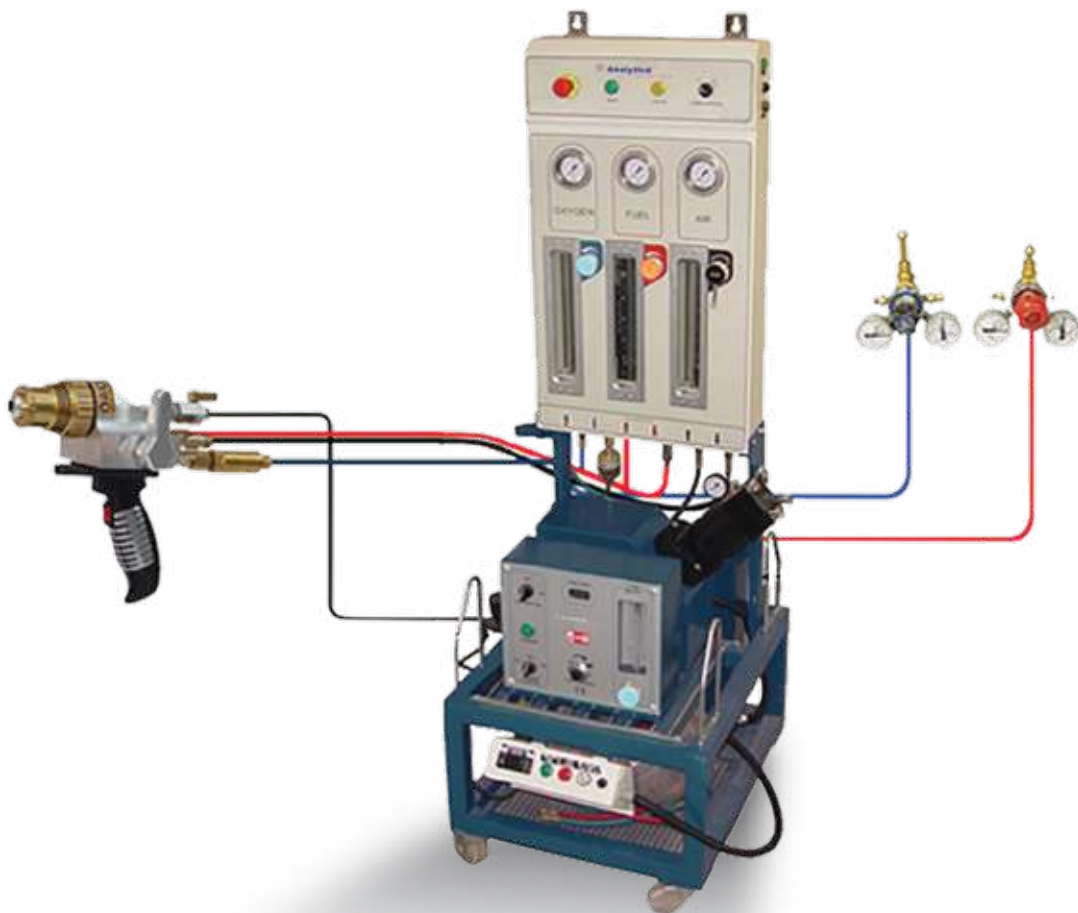


HVOF - 3270

HIGH VELOCITY OXY-FUEL COATING SYSTEM



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► SYSTEM FEATURES:

AUTOMATIC

Ideal for medium to large shops with high volume surfacing needs and increased quality control requirement.

Fully-automatic operation for highly accurate and repeatable HVOF coatings.

PLC based controller with Rotameter

Compatible with both Air Cooled HVOF-3270Gun and a high performance Water Cooled (Hybrid) HVOF-3270Gun.

Built-in monitoring and alarm system with automatic shutdown for safe operation.

Interfaces with workpiece handling equipment, gun manipulators, exhaust system and accessories.

MANUAL

Ideal for small & medium shops with occasional surfacing needs.

Precision components designed for reliable & repeatable coatings incorporating high safety standards.

Rotameter gas metering system.

Compatible with both Air Cooled HVOF-3270Gun and a high performance Water Cooled (Hybrid) HVOF-3270 Gun.

Customize your system with gun and part manipulation equipment ideal for your spray applications.

User friendly mobile Unit.

►► Specification :

	AUTOMATIC	MANUAL
GUN	HVOF-3270-A	HVOF-3270-M
Weight	1.7Kg.(3.74lb)	1.85Kg.(4.07lb)
Gases	Oxygen,LPG/Propane/ Natural Gas,Air	
CONTROL PANEL	AP-3100	MP-3100
Dimensions	970x600x260mm	870x500x140mm
Weight	45Kg(99.2lb)	39Kg(85.9lb)
Electricity	220V/1P/50/60Hz 110V/1P/60Hz(Optional)	
POWDER FEEDER	PF-3350-HP	PF-3700
Capacity	3350CC	700CC (3350CC Optional)
Weight	40Kg(88lb)	32Kg(70.4lb)
Electricity	110V/1P/60Hz(Optional)	

►► REFERENCE PARAMETERS:

GAS	Flow (LPM)	Operating Pressure
Oxygen	250-350	10.0Kg/Cm ²
LPG/Propane	60-80	07.0Kg/Cm ²
Air	600-700	07.0Kg/Cm ²

Powder	Spray Rate	Deposit Efficiency
WC-12Co	38 gm/min (5.01 lb/hour)	70%
WC-17Co	38 gm/min (5.01 lb/hour)	60%
WC-10Co-4Cr	38 gm/min (5.01 lb/hour)	70%
Cr ₃ C ₂ -NiCr	25 gm/min (3.30 lb/hour)	58%

►► STANDARD SYSTEM:

- HVOF-3270-A OR HVOF-3270-M HVOF Gun
- Control Panel; AP-3100 OR MP-3100
- Powder Feeder; PF-3350-HP OR PF-3700
- Gas Regulator for Oxygen & LPG; GR-3100
- Air Control Unit; FR-3100
- Hose Unit for Oxy, Fuel & Air (7.5mtr length)
- Portable Trolley; TR-3100
- Set of Recommended Spares for HVOF-3270 Gun

►► OPTIONAL ACCESSORIES:

- LPG Vaporizer; VP-3100
- Water Jam Box; HY-3100
- Extension Kit for internal spray (length 1', 2', 3')
- Water Cooled Jacket (Hybrid); HY-3100
- Gas Manifold for Oxygen cylinders (6, 10 or 20#)
- Air Blast Unit (for cooling substrate); AJ-3100
- Extra length of Hose (upto 30mtr)
- Extra length of Powder Feed Tube (upto 30 mtr)

►► APPLICATIONS:

- Manufacture components with a more economical substrate material, while maintaining specific surface properties by coating suitable material.
- Improve the service life of an existing component.
- Repair existing parts to like-new condition.
- Hard Chrome replacement.

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
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1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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