

Tools of the trade get the job done right!

Choose the ideal tool for your specific coating application and production requirements from our extensive portfolio of HVOF and plasma spray guns. The choice of thousands of customers worldwide, Oerlikon Metco spray guns are renowned for reliable and consistent performance.

Beyond having the perfect spray gun for your application, benefit from the support we provide through services designed to keep your spray process operating at peak efficiency. These services include:

- Gun accessories for specific processing requirements
- High quality replacement and consumable parts
- Field service support by trained, qualified personnel
- Calibration services traceable to internationally-recognized standards
- Technical support
- Training by experienced experts
- Consultative application development support

Woka™ Liquid fuel and DiamondJet™ Gas fuel HVOF Spray Guns

Oerlikon Metco HVOF Gun	CE conformant	Cooling method	Mounting	Fuel	HVOF controller compatibility
WokaStar-610 ^a WokaStar-610-S ^{a, b} WokaStar-610-Sz ^{a, c}	✓	Water	Machine	Kerosene	MultiCoat™ HVOF GLF or LF UniCoatPro™ LF
WokaJet-410 WokaJet-410-S ^b WokaJet-410-Sz ^c	✓	Water	Machine	Kerosene	
2600DJM	✓	Water	Machine	Hydrogen	MultiCoat HVOF GLF or GF, DJC ^f , DJCE-H
2700DJM	✓	Water	Machine	Natural Gas, Ethylene, Propane, Propylene	
3600DJM ^d	✓	Water	Machine	Hydrogen	
2600DJH	✗	Water	Hand-held	Hydrogen	DJF + DJFEW
2600DJHE	✓	Water	Hand-held	Hydrogen	
2700DJH	✗	Water	Hand-held	Propane, Propylene	
2700DJHE	✓	Water	Hand-held	Propane, Propylene	
2700DJH-NG	✗	Water	Hand-held	Natural Gas	
2700DJHE-NG	✓	Water	Hand-held	Natural Gas	
8ADJM	✓	Air	Machine	Hydrogen	MultiCoat HVOF GLF or GF, DJC ^f , DJCE-H
9ADJM	✓	Air	Machine	Propane, Propylene	
1050DJM ^e	✓	Air	Machine	Propane	
8ADJH	✗	Air	Hand-held	Hydrogen	DJF
8ADJHE	✓	Air	Hand-held	Hydrogen	
9ADJH	✗	Air	Hand-held	Propane, Propylene	
9ADJHE	✓	Air	Hand-held	Propane, Propylene	
1050DJH ^e	✗	Air	Hand-held	Propane	
1050DJHE ^e	✓	Air	Hand-held	Propane	
DJT ^g	✓	Air, Water	Gun-mounted extension module	Natural Gas, Ethylene, Propane, Propylene	MultiCoat HVOF GLF or GF, DJC ^f , DJCE-H
DJT-2M ^g	✗				

^a Enhanced performance with higher chamber pressure

^b Spark-ignition version

^c Spark ignition module mounted on the gun

^d Longer barrel for spraying coarser carbide and MCrAlY materials

^e High spray rate configuration

^f Controller not CE conformant

^g Extension module compatible with all gas fuel HVOF spray guns

Oerlikon Metco Plasma Spray Guns (unless specifically indicated, plasma guns are CE conformant)

Oerlikon Metco Plasma Gun	Operating power (kW)	Mounting	Plasma controller compatibility ^a	Plasma process ^b	Minimum bore dimension ^c (mm / in)	Spray angle (deg.)	Plasma gas
O3CP	120	Machine	MultiCoat	ChamPro	N/A	180	Ar, H ₂ , He
iPro-90	95	Machine	All	APS	152/6	90	N ₂ , Ar, H ₂ , He
9MBM	80	Machine	All	APS	N/A	180	N ₂ , Ar, H ₂ , He
9MBH ^d 9MBHE	80	Hand-held	All	APS	N/A	90	N ₂ , Ar, H ₂ , He
TriplexPro-210	65, 90 ^f	Machine	MultiCoat	APS	N/A	90	N ₂ , Ar, H ₂ , He
SinplexPro-90	60	Machine	All	APS	N/A	90	N ₂ , Ar, H ₂ , He
SinplexPro-180	60	Machine	All	APS	N/A	180	N ₂ , Ar, H ₂ , He
F4MB-XL	55	Machine	All	APS	N/A	180	Ar, H ₂ , He
F4MB-XL-90	55	Machine	All	APS	N/A	90	Ar, H ₂ , He
F4-HB	55	Hand-held	All	APS	N/A	90	Ar, H ₂ , He
F4-VB	55	Machine	MultiCoat	ChamPro	N/A	180	Ar, H ₂ , He
3MBM	40	Machine	MultiCoat, 9MC, 9MCE	APS	N/A	180	N ₂ , Ar, H ₂ , He
3MBH ^d 3MBHE	40	Hand-held	MultiCoat, 9MC, 9MCE	APS	N/A	90	N ₂ , Ar, H ₂ , He
3MBTD	40	Machine	MultiCoat, 9MC, 9MCE	APS	102/4	90	N ₂ , Ar, H ₂ , He
7MT-2' ^e	37.5	Machine	All	APS	75/3	65	N ₂ , Ar, H ₂ , He
11MB-2'	30	Machine	All	APS	55/2.2	90	Ar, H ₂ , He
SM-F1	25	Machine	MultiCoat, 9MCE	APS	80/3.1	90, 45	Ar, H ₂ , He
7MST-2' ^e	24.5	Machine	All	APS	51/2	45	Ar, H ₂ , He
SM-F100 Connex ^g	20	Machine	MultiCoat, 9MCE	ChamPro, APS	100/4	180, 90, 45	Ar, H ₂ , He
SM-F210 ^g	12	Machine	MultiCoat, 9MCE	APS	60/2.4	20, 90	Ar, H ₂ , He
SM-F300	8	Machine	MultiCoat, 9MCE	APS	40/1.6	90	Ar, H ₂ , He
SM-F3	8	Machine	MultiCoat, 9MCE	APS	30/1.2	30	Ar, H ₂ , He

^a All = MultiCoat, UniCoatPro, 9MC and 9MCE controllers

^b ChamPro = controlled atmosphere plasma spray;

APS = atmospheric plasma spray

^c Minimum bore dimension is only given for internal diameter spray guns

^d Not CE conformant

^e Not a stand-alone spray gun; product is an optional extension module for the 9MBM gun

^f 90 kW with high velocity parameters (450 A @ 200 V)

^g Various shaft lengths available; please inquire

Information is subject to change without prior notice.

FLY-0020.9 – HVOF and Plasma Gun Portfolio

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