

JET-KOTE III HVOF spraying system Fuel/oxygen flow rate (C₃H₆/O₂):

1.Spray parameter

Coating No.	O ₂ /SCFH	C ₃ H ₆ /SCFH	Ar /SCFH	Spray distance/mm	Feed rate g/min	Barral length /mm	Powder
X100525-1	1010	133	57	180	55	150	JK112
X100525-2	1010	133	77	180	55	150	WC/12Co
X100525-3	999	114	57	180	55	150	WC/12Co

2.Microhardness (HV_{0.3})

Coating NO.	1	2	3	4	5	6	7	8	9	10	average
X100525-1	901	1343	961	1139	710	938	1052	912	1463	1104	1052. 3
X100525-2	1280	978	1165	1292	1280	1238	1311	1238	1486	1280	1254. 8
X100525-3	1391	1089	1280	1149	1165	1391	1192	1377	1209	1104	1234. 7

3.Microstructure

X100525-1



X100525-2



X100525-3

