



A D V A N C E D C O A T I N G S O L U T I O N S

CJS HVOF Gun

Thermico's highly flexible HVOF gun is based on a sophisticated radial powder injection system and adaptable nozzle configurations to guarantee optimum spraying conditions for all powder types and sizes.

It is capable of high pressure operations with combustion chamber pressures of up to 25 bars. The jet temperature is controlled by a kerosene-oxygen system, while the jet speed is controlled by a hydrogen-oxygen system.

Thermico's unique temperature-controlled HVOF system is based on its unique combustion chamber design and the introduction of a gas-stabilized kerosene fuel combination.





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Nozzle configurations:

K4.2 and K5.2

Burning chamber pressures:

6–12 bars and 10–25 bars

Oxygen:

500 to 1000 l/min

Hydrogen:

50 to 200 l/min

Kerosene:

4 to 20 l/h

Powder carrier gas:

7 to 23 l/min

Accelerator nozzles:

100 mm, 140 mm, 200 mm

Powder injection:

Radial, hard metal protected

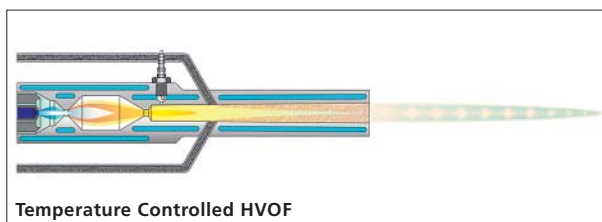
Coolant:

Water

Cooling power:

K4.2 up to 40 KW

K5.2 up to 65 KW



Temperature Controlled HVOF



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