



KM-PCS

Features

- ➡ Closed-loop pressure control
- ➡ Built-in mass flow metering
- ➡ Continuous duty cycle
- ➡ Dual-layer/composition coatings
- ➡ Multiple gas compatible (He, N₂, Ar & mixtures)
- ➡ Starts coating in less than 60 seconds!!

Deposition Nozzle

Friction Compensated, Sonic Design

Long-Life Cemented Carbide Material

Line-of-sight Process

Max. Deposition Temp: 370°C



Thermal Conditioning Unit

Nozzle Integrated, 2.5kW

Stainless Steel Powder Injection Tube

Integral Mixing Chamber

Light-Weight, Low Thermal Inertia

Dual Powder Fluidizing Units

Patented Brush-Sieve Design

Light-weight pressure vessel

Proven Consistent Feed Rate

Powder Size: 500nm - 50µm

Feed Rate: 1-100g/min

Pressure Control

Low Pressure Operation: 275 - 895kPa

Low Gas Flow Rate: He: 620slpm max,
N₂: 225slpm max, Ar: 200slpm max

Low Inlet Pressure: 1MPa

KM System Control

Fully Integrated Control Software

Real-time Human-Machine Interface

Complete System Data Logging

Quality Technical Support

KM Process Display

Easy-to-use Integrated Robot Control

Localized User Display

Real Time Process Parameter Change

Process Parameter Trend Plot



Experience the KM™ Advantage

View the KM-CDS demo at www.inovati.com/kmdemo

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