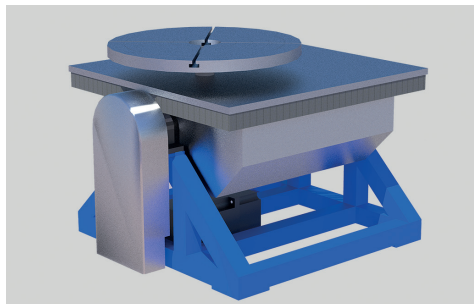
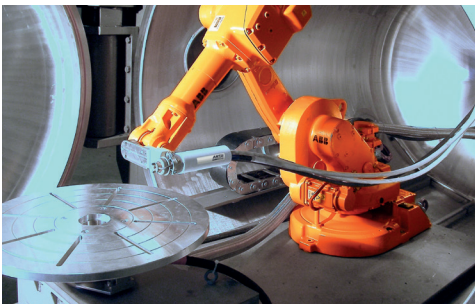
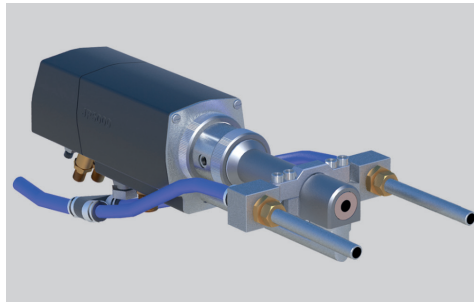


Leading Solutions in Surface Coating

swiss made

AMTAG
advanced materials
technology

Plasma, HVOF and Vacuum (VPS) Equipment and Systems



AMT AG

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**Advanced Materials &
Technology Services, Inc.**

Dr Robert Gansert
Simi Valley, CA

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Plasma and HVOF Systems and Equipment

Plasma, HVOF and Flame Spray Systems

UP 80MV Plasma, HVOF and Flame Spray Systems

- Plasma system with F4, 9MB, 3MB or SG-100 guns
- HVOF system with Kerosene (JP) or gaseous fuel
- Stand Alone Plasma, HVOF and Flame spray systems
- Systems use standard plasma/HVOF powder feeders
- MassView® process gas controllers



Mass Flow, Multi-Process HVOF & Plasma Systems

MP 200, Multi-Process Plasma and HVOF Systems

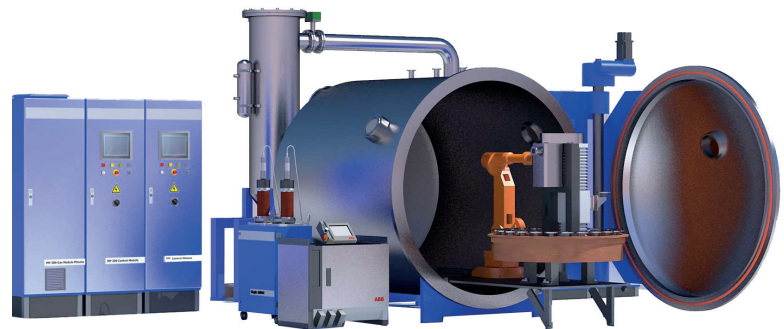
- Mass Flow Control of all Process Parameters
- Plasma F4, 9MB, 3MB and SG-100 guns
- HVOF JP5000®, DJ and JetKote® guns
- Color touch screen operation
- PLC closed-loop process control
- Complete spray cell integration



Vacuum & Low Pressure Coating Systems

VPS and LPCS Systems

- Vacuum, Low Pressure Plasma
- Plasma Guns: 03C, F4
- Plasma Power, up to 2000 Amps
- Main Chamber, 1800 mm diameter
- Load Lock; Part Transfer Stations
- CNC controlled, 3-Axis Gun drive
- Vacuum greater than 10^{-3} mbar



Powder Feeders, Single-Double

Twin and Single Powder Feeders

- Single-20FRC (Feed rate controlled)
- Single-20MFC (Mass flow controlled)
- Twin-20MFC (Single & double feeders)

AMT systems are either volumetric or gravimetric disc based- Twin feeders. AMT powder feeder spare parts are fully compatible with Twin type feeder system parts of other manufacturers.



Plasma and HVOF Systems and Equipment

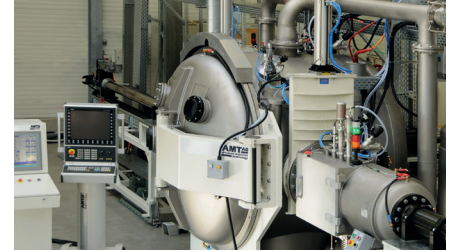
Plasma, HVOF & Vacuum Spray Cells



APS Spray Cell



Vacuum Plasma Spray



LPCS Spray Installation

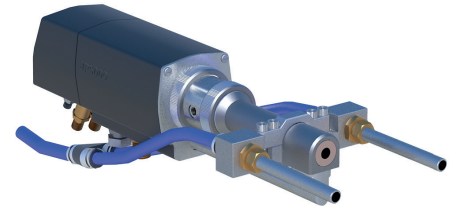
Plasma, HVOF and Combustion Guns



F4 plasma spray gun



9MB plasma spray gun



JP5000® HVOF gun



F1 gun: 45°, 90°

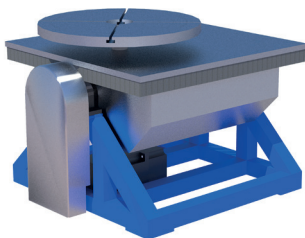


JetKote® HVOF gun

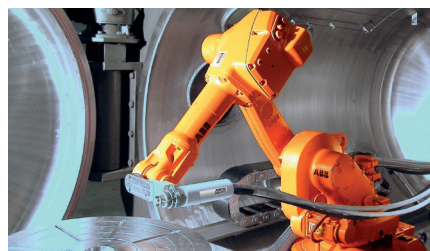


DJ HVOF gun

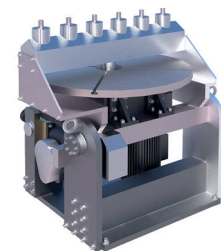
Turntables and Robots



90- and 45-degree tilt turntables



Robots-Integrated turntables



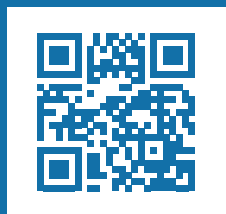
Multiple Stations

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AMT AG' Representative for the USA:



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