

HVOF Solutions

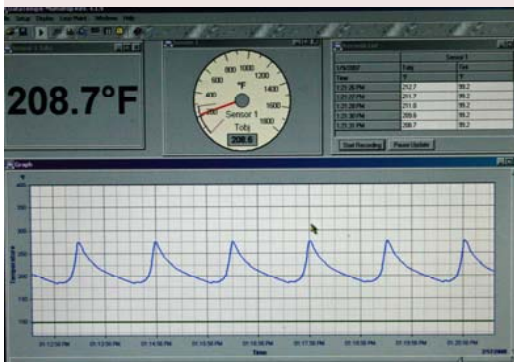
Do you need help in understanding the hard chrome replacement market?

What is required to effectively implement and control an HVOF Process?

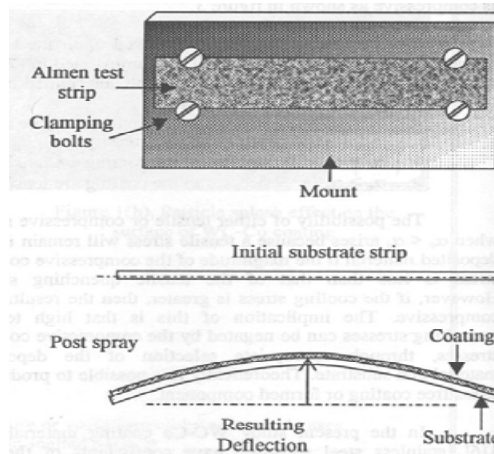
Training?

Best Practices?

How does an HVOF supplier validate and qualify to industry specifications?



How is substrate temperature controlled?



How is substrate residual stress controlled?



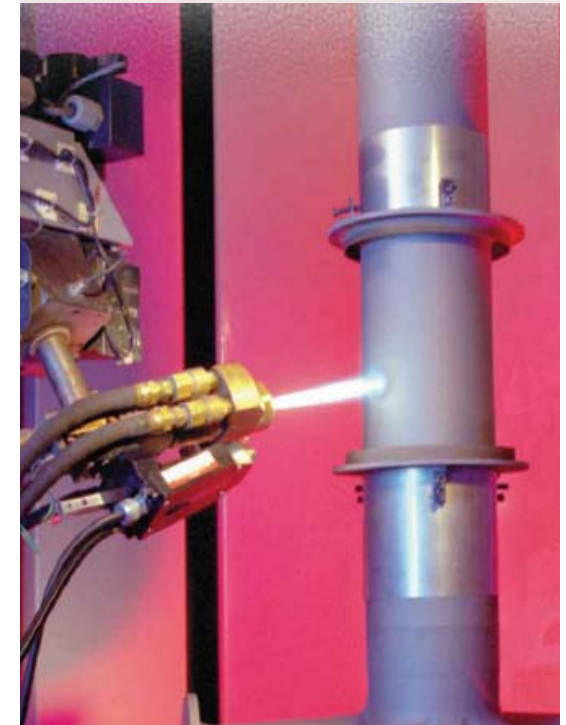
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HVOF Process Validation and Training



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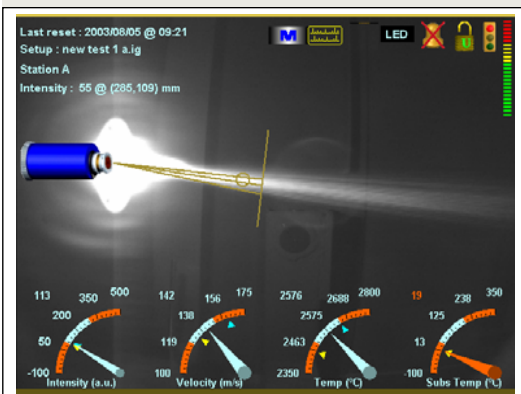
HVOF Validation

HVOF is a viable hard chrome replacement technology which requires a working knowledge of the process and final application needs

SAUER ENGINEERING
can help you
understand
the HVOF process
and validate your
ultimate capabilities

Services can be:

- Assessment of your HVOF needs
- On-site consulting for development of HVOF process and procedures
- Development of testing procedures
- Project management of qualification to industry specifications
- Characterization of the HVOF process with Accuraspray Plume Diagnostics



Training

In today's HVOF and hard chrome replacement markets,

trained operators and process engineers

are a necessity for efficient and consistent thermal spray processing.

SAUER ENGINEERING
can help you
understand and define
your training needs.

Training can be:

- A combination of theory and hands-on spraying to develop dynamic problem solvers
- Customized to your facility needs and personnel
- Flexible to meet your production scheduling and demands



Principal Consultant

John P. Sauer P.E.

- Bachelor/Master's in Metallurgy
- Over 20 yrs of engineering experience in both commercial and aerospace industries
- 15 yrs in testing/evaluation of engineered materials
- 1993-1998 Manager of Central Coatings Lab (CCL) a GEAE driven program conducting standardized coatings evaluation training around the world
- Experience with major OEM's such as Pratt, GEAE, and SNECMA providing processing/evaluation support
- Current involvement with such groups as ASM TSS, EACMT, HCAT/CHCAT, and NADCAP in standardizing coating processing



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