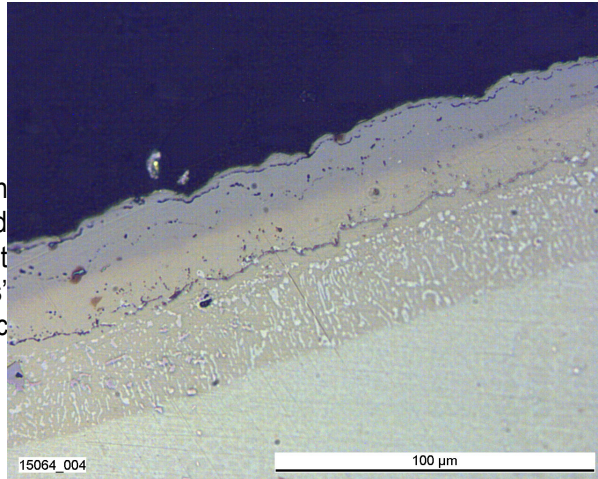
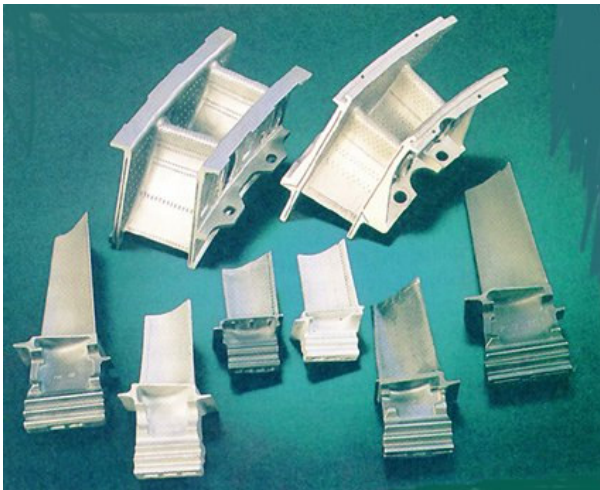


Turbine Component Coatings: Diffusion

SAEBYR personnel have many years experience in Diffusion Coatings. This applies both to Aero Engine and Power Generation turbine applications. We have been at the forefront of a number of OEM and 3rd Party facilities' coating provision programmes. Examples of specific expertise are detailed below:

Diffusion Coatings:

- Aluminide (Hi and Low activity)
- Chromising
- Chrome-Aluminide
- Platinum Aluminide (Single & Dual Phase)
- SermaLoy J



SAEBYR can advise on all aspects of Pack, Above the Pack, and “true” CVD processes.

- External and/or Internal aluminising.
- Thermally Sprayed Bond Coat Enrichment.
- Coating type selection / Coating upgrade selection.
- Compile coating specifications.
- Advise design personnel on manufacturing capabilities (Design For Manufacture)
- Full Laboratory analysis – including SEM/EDAX
- Performance testing of coatings (Thermal Cycle, Oxidation, Corrosion etc)

SAEBYR complements the process knowledge service with the ability to design and source any coating furnace fixturing the customer may require. This includes fixturing required for the provision of internal coatings by CVD.

SAEBYR Precision Technology Ltd is an engineering solution provider specialising in the Gas Turbine Component Industry. SAEYR covers both the Aero Engine and Power Generation markets. We provide our customers with services, ranging from **Technical Consultation**, through defined **Projects**, to complete **Technical Outsourcing**.

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