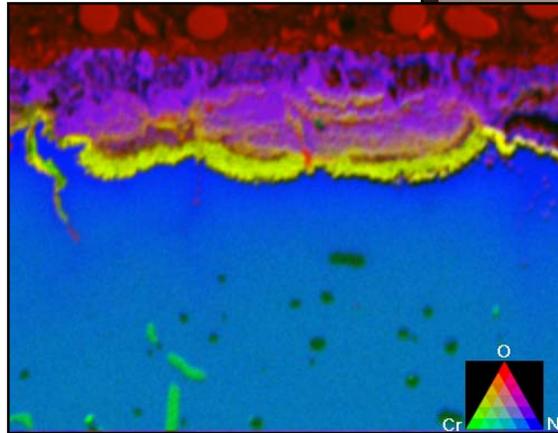
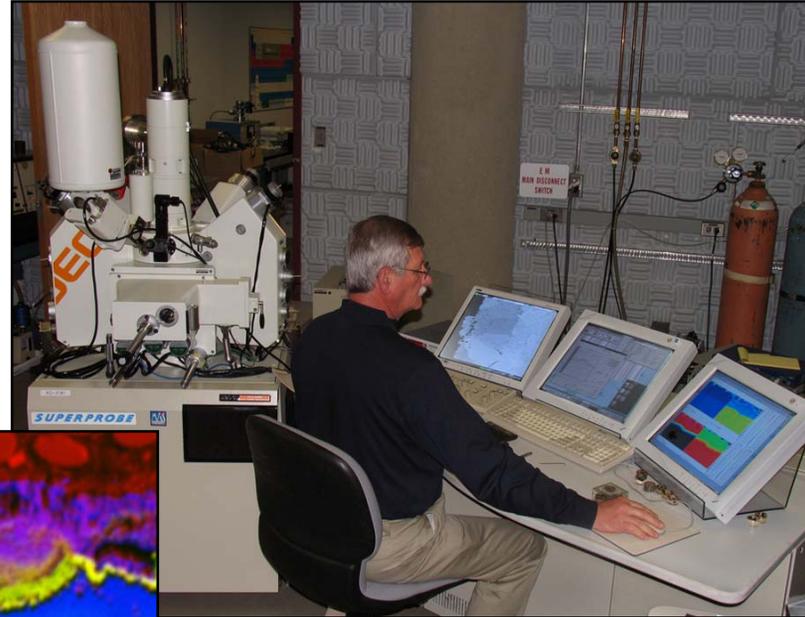


# JEOL JXA-8200 EPMA

## Techniques/Capabilities:

- Quantitative compositional analysis of solid phases with dimensions  $> 0.25\mu\text{m}$  and concentrations as low as 50-100ppm
- Automated analyses
- Elemental mapping
- Diffusion/line profiles



**Oxidation of alloy Haynes 230 after service as an injector in a Capstone Microturbine**

## Current Research Activities:

- Distribution of catalysts and catalyst poisoning in engine-tested monoliths
- Life-time studies of oxidation resistant alloys
- Component reactions in solid oxide fuel cells
- Phase analyses in developmental alloys

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