



**We are pleased to announce that John W. Barr has come on board as our staff metallurgist.**

John is a product of Texas A&M and the University of Houston. He founded JB Metallography and has been self employed since 1987. John's expertise is in physical metallurgy, microstructure preparation, microstructure determination, how microstructure is related to mechanical properties, welds and with particular emphasis to thermal spray coatings and morphology. In addition, the roots of John's metallurgical training came from working for a commercial Heat Treating facility from 1980 to 1987.

John will head Watson's new, state-of-the-art, R & D laboratory and will be instrumental in keeping Watson on the cutting edge of new coating and material technologies. He will also play a major part in Watson's continuing efforts to supply the best quality materials to our customers.

Watson will be able to test coatings for hardness, density, bond strength, abrasion resistance and shear strength.

**Some of Watson's equipment and testing capabilities**

Metallograph: Axiovert 25 inverted Microscope (50 - 500X)

Stereomicroscope: Stemi SV11 (1.5 – 60X)

microscope: Stemi DV4 (8 -32X)

Axiovision: Image acquisition and analysis software

Axiocam MRC5: 5 megapixel digital camera

Abrapol 10: Automatic wet abrasive saw

Unitom 50: Automatic wet abrasive saw

Duramin-2: Micro-hardness tester (10-2,000gf)

Cito Vac: Vacuum impregnation device