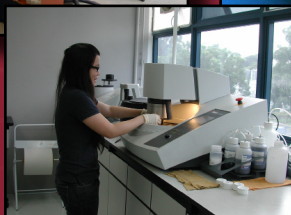


## Coatings Evaluations

IMR Test Labs is your complete lab for aerospace coating analysis. From the beginning of the process with powder analysis (sieve, microtrac, SEM), to the evaluation of the final deposit (metallography and tensile/adhesion), IMR supplies competitive, high-quality testing services.

We can provide timely results for quality control overflow testing, assistance in part qualification packages, and total coordination of new coating R&D projects. Let us earn your trust and your business.



## GE Coatings Approval

IMR Test Labs - Singapore is a GE S-400 approved coatings laboratory. We have GE CCL certified coatings technicians who can provide approved coatings evaluations and reports that satisfy GE requirements.

Coatings services available include:

- Tensile testing
- Hardness testing
- Erosion Testing
- Chemical analysis and
- Metallography services

Contact us today to find out how we can serve your coatings testing needs!

## Not just data, *knowledge*

### IMR Test Labs

131 Woodsedge Drive  
Lansing, NY 14882 USA  
607.533.7000  
sales@imrtest.com

### IMR Test Labs - Louisville

4510 Robards Lane  
Louisville, KY 40218 USA  
502.810.9007  
sales@imrlouisville.com

### IMR Test Labs - Portland

5687-A SE International Way  
Portland, OR 97222 USA  
503.653.2904  
sales@imrportland.com

### IMR Test Labs - Singapore

30 Loyang Way #03-16  
Singapore 508769  
+65 6592.5325  
sales@imrsingapore.com

### IMR Test Labs - Suzhou

Jiangpu Road 75, Shengpu Town  
Suzhou Industrial Park  
Jiangsu, China 215126  
+86 0512.6295.2682  
sales@imrsuzhou.com

[www.imrtest.com](http://www.imrtest.com)

[www.cwst.com](http://www.cwst.com)

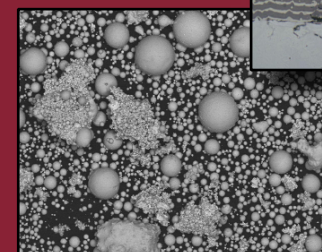
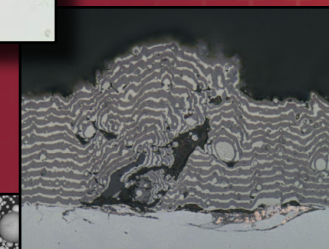
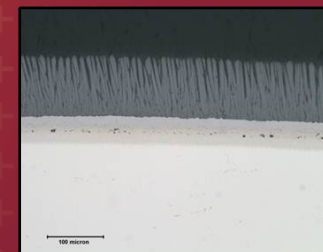
**CURTISS -  
WRIGHT**

©2015 IMR Test Labs

# IMR TEST LABS

*A Curtiss-Wright Business*

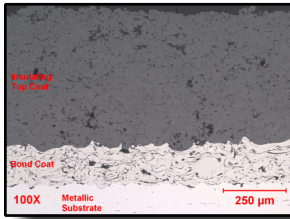
## Advanced Coatings Characterization and Evaluations



Not just data, *knowledge*

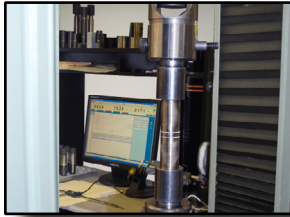
## Metallography

Our team employs many advanced mounting, polishing and examination techniques to thoroughly evaluate the most advanced coatings.



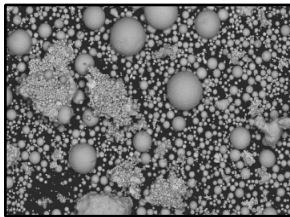
## Bond Strength/ Coating Adhesion

IMR provides coating adhesion testing of samples, both as coupons or on part geometries.



## Powder Analysis

We provide chemical analysis, particle size (Microtrac) and morphology (SEM & Optical) to fully characterize your starting powder.



## Corrosion Testing

IMR provides a wide range of environmental simulation methods including B117 salt spray, cyclic corrosion, temperature & humidity cycling and specialized environments.



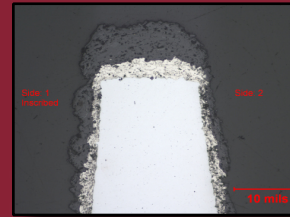
## Failure Analysis

Our experienced team of metallurgists and material scientists possesses the specialized knowledge to determine why coatings fail.



## Hydrogen Embrittlement

An important technique to evaluate the effects of the coating process on material strength.



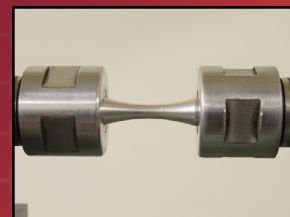
## Wear Testing

IMR offers a number of different wear tests including Taber, cyclic, falling sand and erosion testing.



## Fatigue Testing/ Coating Shear

We provide shear strength and shear fatigue testing of samples from test bars to actual coated parts.



## Rotating Beam Fatigue

A valuable tool for evaluating coatings under reverse bending conditions.

## Training

IMR has trained hundreds of students in the evaluation of thermal spray coatings, both on-site at our Ithaca facility and in places around the world from Portugal to Singapore.

This Pratt & Whitney endorsed training course is available to you at our facilities in New York, Kentucky and Singapore.

We have one remaining course in 2015. This week-long session will be held at the NY laboratory.

Visit <http://www.imrtest.com/training> for the latest updates on this and other available courses.

Register today as seats are limited and fill up fast!

## Aerospace Metallography & Coatings Evaluation

Ithaca, NY

\$3,250

November 2 - 6, 2015

