



## Cleanliness Testing

Many transportation components are parts of sealed systems. Manufacturing processes can leave oils, particulates and other contaminants behind that can compromise your product's performance, reliability and reputation.

Verifying cleanliness after manufacturing processes can prevent failures in the field. Failure of these parts can cause catastrophic accidents, endangering lives.

Industry standards occasionally require unusual solvents to flush parts. IMR can work with everything from reagent grade, to common cleaners or your proprietary blends.



### IMR Test Labs

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**Nadcap Accreditation:** Ithaca (MTL, NMTL), Louisville (MTL), Portland (MTL), Singapore (MTL), Suzhou (MTL)

**A2LA Accreditation:** Ithaca (1140.01 / 1140.02), Louisville (1140.03/1140.04), Portland (1140.07), Singapore (1140.10), Suzhou (1140.09)

# CURTISS - WRIGHT

IMR TEST LABS

## Analytical Services for the Automotive & Transportation Industries



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



## Mechanical Testing

Tensile, Yield, Elongation  
Charpy  
Izod  
Flexural  
Weld Qualification  
Fatigue (RBF, HCF, LCF)  
Hardness  
Compression  
**Now Featuring  
High Temperature  
Fatigue Testing  
- up to 1800°F**

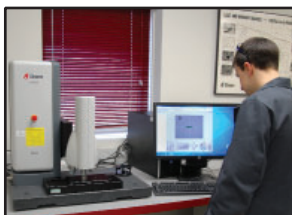
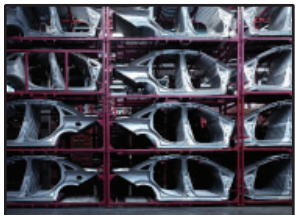


## Chemical Analysis

Alloy Chemistry  
Trace Element Analysis  
Raw Material Verification  
Cleanliness Testing  
Coating Weight  
Hexavalent Chromium

## Metallurgical Evaluations

Failure Analysis  
Microhardness  
Microstructure  
Plating Thickness  
Resistance Weld Inspections  
Fusion Weld Inspections  
Reverse Engineering  
Contamination/Fod Identification  
Case Depth  
Defect Analysis  
PPAP  
Hydrogen Embrittlement



## Accelerated Weathering & Corrosion

Salt Spray  
Chip Resistance (Gravelometer)  
Cyclic Corrosion  
UV Exposure  
Adhesion  
Gloss



Our facilities in NY & KY are A2LA (ISO 17025) accredited and can test to the following corrosion specifications:

- AA/AA-P
  - ASTM
  - DBL
  - DIN
  - Ford
  - ISO
  - GMW
  - GM
  - GS
  - PV
  - TL
  - SAE
  - VDA
  - VW
- ...and more. Call us to discuss your project today.

## Polymer Testing

Material ID/Verification  
Contaminant Analysis to Trace Levels  
Paint Analysis  
Oils Testing  
Chemical Exposure of Plastics  
Adhesion  
Chemical Resistance of Coatings  
Gardener Impact  
Ash Content  
Composites Analysis  
Heat Aging  
Fluid Aging  
Failure Analysis

