



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.



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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

Lab Testing Services for the EV, PHEV, & HEV Industry



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**

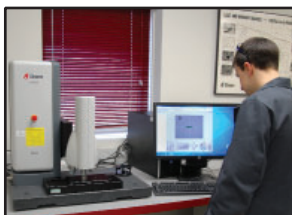
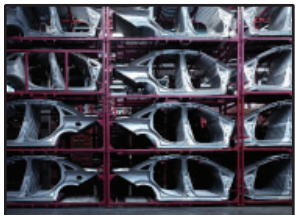


Chemical Analysis

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

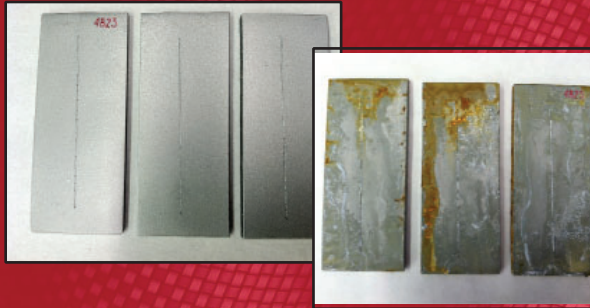
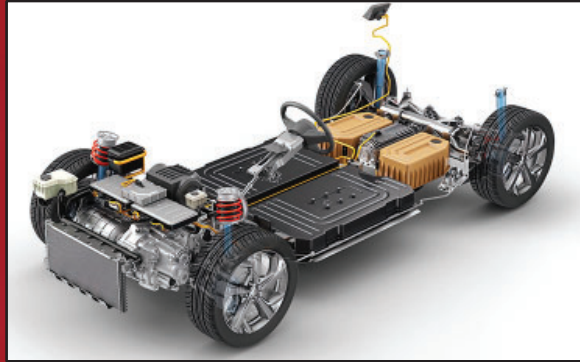
Metallurgical Evaluations

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



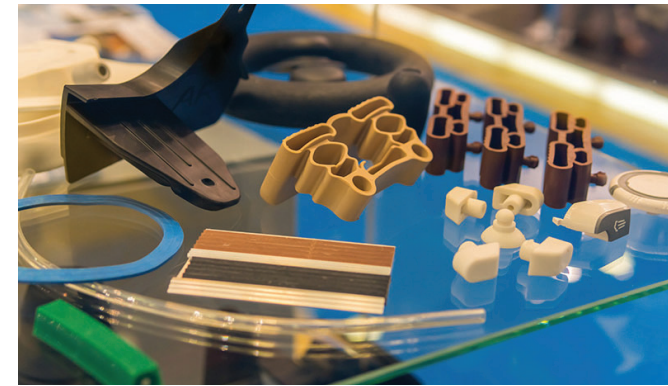
Accelerated Weathering & Corrosion

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



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

