



## IMC Analytical and Testing Capabilities

The OMNOVA Solutions In-Mold Coatings Laboratory located in the OMNOVA Technology Center in Akron, OH is outfitted with all of the necessary testing equipment to comply with any of the major automotive, truck, marine, industrial, or other OEM-manufacturing specifications.

### Capabilities include:

- ✦ 400 Ton computer controlled Hoesch press utilized for problem solving, molding approval panels, in-mold coating analysis, and quality control testing.
  - Four-corner leveling, in-mold coating injection capability, SMC cure analysis, vacuum potential, and many processing controls to duplicate compression molding operations.
  - Also available is state of the art IMC processing equipment, capable of both low and high pressure coating injection. A variety of tooling and associated IMC injectors are available for molding flat panels and shapes.
- ✦ Weatherability Test Standardization (SAE J1960 JUN 89)
- ✦ Humidity Testing (SAE J1960, GT-7E)
- ✦ Gloss (ASTM D523-89)
- ✦ Coefficient of Friction (ASTM D-1894)
- ✦ Tabor Abrasion (ASTM D-4060-90)
- ✦ Water Immersion Testing (GM4466P, GT-7E, D870-92)
- ✦ Water Fog Humidity Testing (GM 4465P)
- ✦ Oven Aging Testing (GM9504P)
- ✦ Automotive Environmental Cycles (GM9505P)
- ✦ Pensky Martens Closed Cup, Hegman Grind, DOI Analysis (GM9101P, BI 10-3)
- ✦ Delamination Test for Primer Surface (GM9661 P)
- ✦ Paint Physical Testing (LP-463PB-15-01)
- ✦ Primer Conductive Test (MS-PP7-2)
- ✦ Dry Film Thickness (ASTM D 4138)
- ✦ Tape Adhesion (GM9071P, GT-5A, BI 106-01)
- ✦ Pencil Hardness (GT-4D, ASTM D 3363-92a)
- ✦ Cross-Hatch (Ford B1 106-1)
- ✦ Conductivity Test (GM9523P)
- ✦ Chip Resistance (GM9508P, SAE J400)
- ✦ Spectroscopy
- ✦ Chromatography
- ✦ Particle Sizing
- ✦ Microscopy
- ✦ Thermal Analysis
- ✦ Surface Energy
- ✦ Rheologic Studies

