

AUTOMOTIVE TESTING

SINCE 1999

Our business : Providing Results and Value
ISO 17025 Accredited



Micom Laboratories Inc. is established in Dorval, Quebec, since 1999. Micom offers a complete range of testing services for coatings, paints and electroplating. Micom specializes in the accelerated aging, physical and mechanical tests by using well-known standards, such as:

Salt spray, Xenon Arc, QUV, color, gloss, abrasion resistance and many more.

Our promise: Beyond testing, we will advise you in selecting the right test methods and conditions to obtain meaningful results addressing your specific needs as well as help you finding cost effective solutions.

OUR VISION:

Sustainable development through testing.

OUR MISSION:

Offer our customers accelerated aging test services.

OUR VALUES:

- Practicality
- Dependability
- Quality
- Ingenuity

“BETTER PRODUCTS
THROUGH TESTING”

Serving a Wide Range of Industries

Micom offers surface finishes testing to a wide range of industries both in Canada and in the US.



ELECTRONIC: Smart, TM4, Belden, Bionx



AEROSPACE: Bombardier Aerospace, Zodiac Aerospace, Toray Composites Materials America



POLYMER: IPL, Soucy Group, Urethane Technology



INDUSTRIAL: Herman Miller, Venmar, Tafisa, Knoll



ENTERTAINMENT: Cirque du Soleil, Show Canada, Stageline



AUTOMOTIVE: Bombardier Recreational Products, Volvo Group, Consolidated Metco, Waterville TG



HEALTH SCIENCES: ArjoHuntley, CAE Healthcare



CONSUMER PRODUCTS: Artika, Anseco Group, Loblaws



PHARMACEUTICAL: Some of our customers include: GSK Biologics, Genetech, Covidien, Stryker



FOOD: Some of our customers include: Kraft, Danone, Clif Bar



COATINGS: Rustguard

Recognized Testing Laboratory

Micom is a recognized source of laboratory testing by major business and organizations for material testing and accelerated aging. As such Micom is an ISO 17025 accredited laboratory. This accreditation is the equivalent to ISO 9001 with additional performance requirements.

ACCREDITED BY:

- Standards Council of Canada (ISO 17025)
- International Safe Transit Association ISTA
- World Health Organization WHO
- SEFA (Scientific Equipment and Furniture Association)

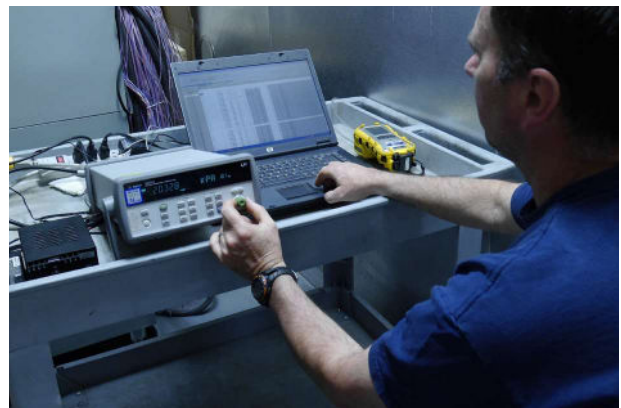
TESTING RECOGNIZED BY:

- Bombardier Recreational Products
- Bombardier Aerospace
- Bombardier Mass Transit
- Transport Canada
- Health Canada
- Siemens
- ABB
- CSA International
- Many pharmaceutical companies (Genentech, GSK, Bristol-Myers...)
- Walmart
- JcPenny

“MICOM OFFERS A WIDE RANGE OF AUTOMOTIVE TEST SERVICES. ”

Materials, Parts and Sub- Assembly Testing for the Automotive Industry

Micom Laboratories Inc. offers routine and non-routine material testing to the automotive industry for a wide range of materials and products. Whether it is for temperature and humidity cycling, ultraviolet exposure, surface finishes, packaging testing or mechanical properties, our material testing experts will be happy to help you put together a meaningful test plan that will address your needs and give you real answers. With years of specialized technology testing expertise, in-depth experience and absolute commitment to customer care, our team of experts does more than simply test your products. Micom Laboratories Inc. strives to deliver material testing services of outstanding value to our diverse customer base. Micom has been providing the industry with high quality test services for 15 years.



Test Services

Micom offers a wide variety of mechanical and physico-chemical material testing to the automotive industry according to various standards (ASTM, SAE, MIL-STD, ISTA, ANSI, CSA, BRP, GM & others). Our specialists can also provide you with custom material testing services focused on your specific needs.

Our facilities allow us to test a wide range of raw materials and finished products. Whether you need temperature cycling, composite materials testing, accelerated corrosion or accelerated ageing, Micom's staff is always available to support your technical needs.

Our facilities are also equipped to test prototypes and sub assemblies to simulate intensive use of products and materials either to validate your design or investigate a field failure. Our test facility is accredited by the Standards Council of Canada to ISO 17025.

AUTOMOTIVE TESTING À LA CARTE

MATERIAL PROPERTIES:

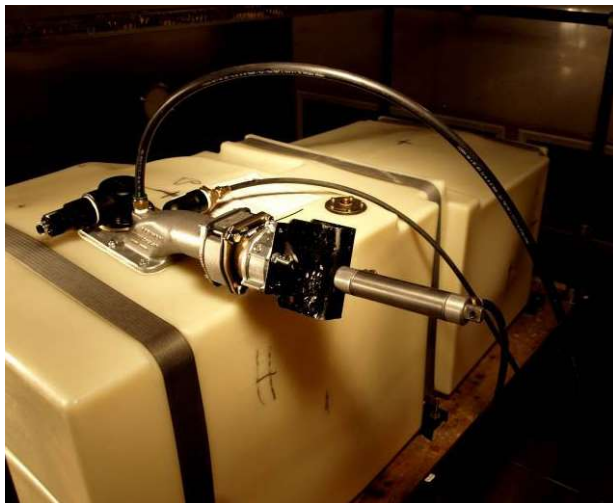
- Tensile Strength - ASTM D-638, D-1623, D-2990, D-5574
- Compressive Strength - ASTM D-695, D-2990, D-4762
- Flexural Strength - ASTM D-790, D-3043, D-5616
- Foam - ASTM D-3574
- Moisture Absorption - ASTM D-570
- Particle Board Testing – ASTM D-1037
- Specular Gloss – ASTM D-523
- Conical Mandrel – ASTM D-522
- Hardness – ASTM D-2240
- Color Measurement – ASTM D-2244
- Abrasion Resistance – ASTM D-4060
- Flatwise Tensile Strength of Sandwich Constructions – ASTM C-297
- Coating Film Thickness – ASTM D-1196
- Paint Adhesion – ASTM D-3359
- Salt fog exposure – ASTM B-117

CLIMATE, UV AND CORROSION EXPOSURE:

- Climatic chambers - Humidity, temperature cycling -78°C to +150°C, 10 - 95% RH
- U.V. exposure - ASTM G-155, G-154, SAE J-2412, SAE J-1885, SAE J-1960, GMW 3414, SAE J-1455, SAE J-1960, SAE J-2527
- Salt spray - ASTM B-117, CCT-A, CCT-D, MCT-1M, MCT-2M, SAE J-1563, BMW CCT, VDA 621-415, ISO 7253, ASTM D-1735, ASTM D-2247, ASTM D-5894, ASTM G-85
- Accelerated temperature ageing
- Laboratory simulations of field failures
- Thermal shocks (-78°C to +200°C)
- HASS/HALT
- High & low temperature tensile & compression tests

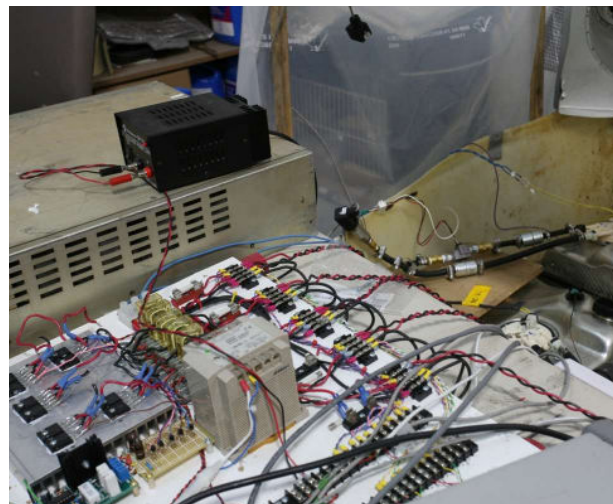
Made-to-measure Material and Sub-Assembly Testing

Micom also offers test services on sub- assemblies and components to evaluate their reliability and/or performance. Your mandate could be to do pressure cycling at high temperature, road vibration simulations or electrical testing on fuel pumps samples from various suppliers' products. Our experts will be happy to use their know how to get you the information you need.



Large fuel tank pressure cycling at low temperature

The essence of what we do is to simulate real life in the lab under controlled yet accelerated conditions. To execute your mandates Micom uses its highly qualified and experienced staff combined with the extensive array of equipment at our disposal in our 15 000 sq feet laboratory.



Electric fuel pump cycling

BEYOND AUTOMOTIVE TESTING

Specific Material Testing Services:

Micom's test offering goes way beyond standard automotive testing. Our specialists can also provide you with custom material testing services focused on your specific needs.

Our facilities allow us to test a wide range of raw materials and finished products for the automotive industry. Whether you need temperature chain testing, consumer products, composite materials, or accelerated ageing Micom's staff is always available to support your technical needs.

Our facilities are also equipped to test prototypes, simulate intensive use of products and materials either to validate your design or investigate a field failure. Our quality control system complies with ISO 17025.

THE TEST METHODS AND SERVICES OFFERED INCLUDE:

ACCELERATED AGING / SURFACE FINISHES:

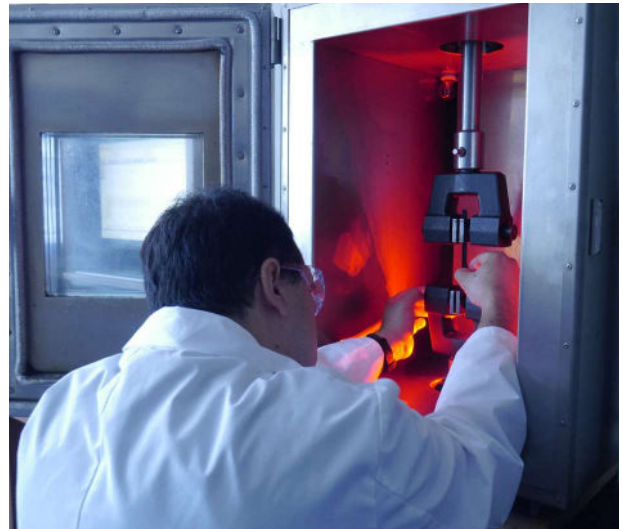
- U.V. aging (ASTM G-155, ASTM G-154, SAE J-2527)
- Environmental testing (Humidity, temperature cycling)
- Taber Abrasion (ASTM D-4060)
- Gloss (ASTM D-523)
- Corrosion - Salt spray (ASTM B-117)
- Scratch resistance (ASTM D-3363)
- Adhesives (ASTM C-297)



Air brake system - Vibration fatigue test

MATERIAL PROPERTIES:

- Tensile Strength (ASTM D-638, D-1623, D-2990, D-5574)
- Compressive Strength (ASTM D-695, D-2990, D-4762)
- Flexural Strength (ASTM D-790, D-3043, D-5616)
- Foam (ASTM D-3574)
- Latex gloves (ISO-10282 & 11193)
- Moisture Absorption (ASTM D-570)



Tensile & elongation testing at low temperatures

PACKAGE TESTING:

- ISTA 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 2A, 2B, 2D, 2E, 3A, 3E, 3F, 3H, 5B, 7A to 7D
- Vibration (ASTM D-999, A1, A2)
- Drop (ASTM D-5276)
- Compression (ASTM D-642)
- Incline Impact (ASTM D-880)

«OUR BUSINESS:
PROVIDING RESULTS
AND VALUE»



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