



Engineering Solutions for Electronic Systems

MG Chemicals develops specialty materials that help engineers solve critical challenges in electronic systems.

Our solutions improve electrical performance, protect electronics from harsh environments, enable reliable assembly, and extend long-term system reliability.

From design through production, we help engineers specify with confidence.



Engineering Solutions



EMI Shielding



Protecting
Electronics



Bonding Electronics
Components



Electrical Contact
Reliability



Electrical
Insulation



Grounding &
ESD Protection



Thermal
Management



Electronics Assembly
Repair & Maintenance



About MG Chemicals



Founded in 1955



Head office in Burlington, Ontario, Canada



Warehouse in Manchester, UK



ISO 9001:2015 Quality Management System



State-of-the-art qualification lab



Responsive technical support &
applications specialists

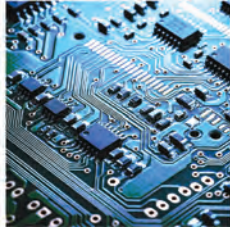
Engineering Materials Platforms



Conductive Coatings

EMI shielding, grounding, and static control for plastic enclosures and PCB housings.

- Carbon to silver filler options
- Fast-curing acrylics
- Epoxy for harsh environments
- Water-based, low-VOC options



Conformal Coatings

Protect PCBs from moisture, dust, chemicals, and corrosion.

- Acrylic, urethane, silicone, epoxy & UV
- UV-cure for high throughput
- Compatible with spray & selective coating
- IPC-CC-830 and UL746E certified grades



Potting & Encapsulation

Protect assemblies from moisture, shock, vibration, and thermal cycling.

- Epoxy, polyurethane & silicone options
- Thermally conductive materials
- Wide temperature range
- IP protections
- Flame retardant options



Adhesives

High-strength bonding adhesives with secondary features like electrical and thermal conductivity.

- Silver conductive epoxies
- Structural epoxies
- Thermally conductive
- UV/LED cure for high throughput
- Silicone options for stress relief



Interface Materials

Reduce thermal resistance and improve heat transfer.

- Thermal pastes & Gap fillers
- Silicone-free options
- Reworkable & permanent solutions
- Thermally conductive adhesives

Industries We Serve



Sensors & Instrumentation



Industrial Electronics & Automation



Automotive Electronics



Aerospace Electronics



Medical Electronics



Defense Electronics



Power Electronics & Energy Systems



Telecommunications Electronics



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