# **Converting Line Card**

Your challenge. Our Solution.



Fast turnaround

Low minimums

**Prototype support** 

# **ELECTROWIND PRECISION CONVERTING CAPABILITIES** Challenge us to turn your idea or design into reality today!

### **Custom Slitting, Sheeting & Laminating**

Narrow width slitting Custom widths & lengths Sheeting, cobbing & laminating Adhesive/non-adhesive tape slitting Release liner & custom laminating

# Die Cutting & Stamping

Large or small runs Complex parts Kiss cutting Steel rule, compound & rotary dies Punching, drilling & scoring Parts forming Creasing, bending & folding

# **Machined Parts**

Plastics, glass, metal, ceramic & other rigids CNC & waterjet precision machining Sawing, milling & turning Heat/cold forming & bending

### Support, Assembly, Packaging & Finishing Services

Prototyping support from design to production Custom packaging & labeling Printing, engraving & silkscreening Assembly & kitting Bonding & fastening Dipping & painting Dedicated stock & Just-In-Time shipping



Custom Converter of Rigid and Flexible Materials for Industry

# **PRODUCT LINE - Motors & Generators**

### Primary products we manufacture and supply:

Products for Motors & Generators

Armature Finger Plates Armature Wedges **Bearing Insulation** Brush Holder Rings Blocking Coil/Connection Tape **Coil Turn Insulation Deflector Insulation** End Winding Spacer Blocks Exciter Insulation Filler Strips/Spacers Gas Baffle Segments Lead Clamps Magnetic Wedges

Phase Insulation/Barriers Pole Collars Pole Support Blocking Pole Turn Insulation Punched Terminal Boards **Ripple Springs** RTD Insulators Semi-Conductive Filler Strips Sliders (Counter Wedges) Slot Liners Stator Wedges Topsticks/Wedges Top, Center & Side Filler Winding Supports

\*Don't see the part or material you are looking for? Our sourcing specialists can help.

# **PRODUCT LINE - Power, Instrument & Specialty Transformers**

## Primary products we manufacture and supply:

Axial Duct Spacers Bus Bar Support-Angles & Channels **Clamping Plates & Rings** Coil Shims, Blocks & Supports Conductor Insulation Core Insulation Core Tubes **Crossover Pad Insulation** Encapsulation Cases & Cups Fuse & Terminal Boards Foil Conductors

**Insulating Angles & Channels** Insulating Nuts, Bolts & Tubes Laver Insulation Laver Insulation Tape Phase Barriers Pressure Rinas Stand Off Insulators **Terminal Boards** Winding Combs Winding Bobbins Winding Tape

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# **PRODUCT LINE - Electrical & Electronics Equipment**

# Primary products we manufacture and supply:

**Bus Insulation** Capacitor Insulation **Clear Sight Windows** Custom Fabricated Guarding **Encapsulants & Adhesives Enclosure Liners** Fuse Boards Gaskets & Seals Heat Dissipation Materials Heat Shields Insulating Baffles & Mounts

Isolation Pads & Bases Mounting Boards Phase Insulation/Barriers **Power Supply Insulation Rigid Insulating Barriers RFI/EMI** Shielding Stand Off Insulators Static Control Materials Terminal Boards Test Fixture Components Thermal Air Duct Baffling

\*Don't see the part or material you are looking for? Our sourcing specialists can help.

# **PRODUCT LINE - Switchgear, Control &** Automation

### Primary products we manufacture and supply:

Arc Chutes Bus Bar Support-Angles & Channels Bushings, Rollers & Fittings **Bus Insulation** Cleats Capacitor Insulation **Clearance Barriers & Supports** Composite Gears & Bearings Custom Formed Guarding Flexible Flame Retardant Barriers

Insulating Barriers Insulating Nuts, Bolts & Tubes **Interphase Barriers** Modular Framing & Separators Phase Supports & Blocking Rigid Baffles & Bases Sight Windows Stand Off Insulators Wear Plates & Guides

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Products for Electrical & Electronics Equipment

roducts for Switchgea Control & Automation

oducts for Power, Instrument & Specialty Transformers

# **Products for Motors & Generators**

Electrowind specializes in supplying and converting rigid and flexible insulating materials and components that are designed for use in electric motor and generator manufacturing, maintenance and repair.

We offer an extensive inventory of rigid and flexible insulating products that can be converted to fit your application. Fast turnaround on components allows you to react quickly to breakdowns and keep your production running smoothly.

Electrowind is also a leading supplier of magnet wire and electrical insulating materials.

Common materials we convert for your industry: Flexible insulations including NOMEX<sup>®</sup>, MYLAR<sup>®</sup>, KAPTON<sup>®</sup>, CeQUIN<sup>®</sup>, DMD, NMN, NM, TFT, NKN and Mica. Adhesive tapes from 3M, Intertape, Nitto Denko, DeWAL and Saint Gobain. High-pressure laminates/phenolics including glass polyester GPO 1-3, glass epoxy G-10/G-11/FR-4/EMD, hi-temp polyester SG-200/HT-1030, L, LE, C, CE, X, XX and XXX.

# Products for Power, Instrument & Specialty Transformers

Electrowind supplies and converts a broad spectrum of magnet wire, insulating materials and components for dry, liquid and power transformer manufacturing that can be supplied as a single component or assembled as a complete kit depending on your requirement.

We have decades of experience as a provider of materials for transformer manufacturing and repair. Send us your drawing or sample and our experts will duplicate your component design using our advanced capabilities including narrow width slitting, waterjet and CNC machining, complex die stamping and more.

**Common materials we convert for your industry:** Flexible insulations including NOMEX<sup>®</sup>, MYLAR<sup>®</sup>, KAPTON<sup>®</sup>, Kraft paper, b-stage products, CeQUIN<sup>®</sup> and FORMEX<sup>®</sup> polypropylene. Insulation board materials including transformer board, densified laminated wood and pressboard. High-pressure laminates/phenolics including glass polyester GPO 1-3, glass silicone G-7, glass epoxy G-10/G-11/FR-4, hi-temp polyester SG-200/HT-1030, L, LE, C, ČE, X, XX, XXX and ARBORON<sup>®</sup>.

# **Products for Electrical & Electronics Equipment**

For the ever-changing demands of electronics and electrical equipment applications, Electrowind stocks fine/standard magnet wire sizes and flexible or rigid insulating materials to meet your demanding specifications including: dielectric strength, thermal management properties, temperature resistance, conductivity, shielding properties and durability.

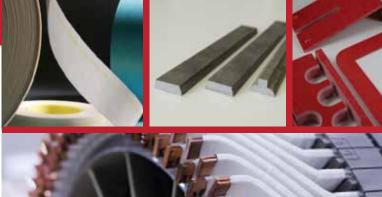
Electrical and electronics adhesive tape slitting, RFI/EMI shielding material die stamping, gasketing, barrier and board machining and electrical insulation sheeting/laminating are some of the advanced capabilities we offer your industry.

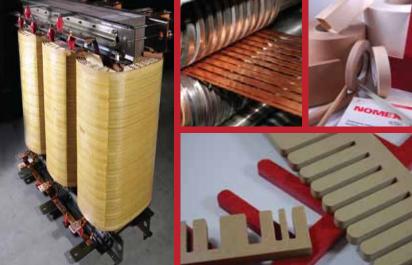
Common materials we convert for your industry: Adhesive tapes from 3M, Intertape, Nitto Denko, DeWAL and Saint-Gobain. Flexible insulations including NOMEX®, MYLAR®, KAPTON<sup>®</sup>, Mica and vulcanized fibre. Rigid laminates and specialty rigids including LEXAN<sup>®</sup> polycarbonate, PVC, acrylic, ARBORON<sup>®</sup>, flame retardant polypropylene, hi-temp polyester SG-200/HT-1030, glass epoxy G-10/FR-4 and CEM-1.

# Products for Switchgear, Control & Automation

Electrowind offers the capabilities required to manufacture custom components for switchgear, control and automation manufacturers. Our components are manufactured or molded to industry standards and are supplied as a single component or assembled as a complete kit depending on your requirement. Whether you supply us with a drawing or a part to recreate; we can turn your design into reality, fast!

Common materials we convert for your industry: Flexible insulations including NOMEX®, MYLAR<sup>®</sup>, KAPTON<sup>®</sup> and CeQUIN<sup>®</sup>. Adhesive tapes from 3M, Intertape and Nitto Denko. High-pressure laminates/phenolics including glass polyester GPO 1-3, glass silicone G-7, glass epoxy G-10/G-11/FR-4, hi-temp polyester SG-200/HT-1030, L, LE, C, CE, X, XX, XXX and ARBORON<sup>®</sup>. Plastics including DELRIN<sup>®</sup>, ULTEM<sup>®</sup>, UHMW, nylon, LEXAN<sup>®</sup> polycarbonate and acrylic.















# **PRODUCT LINE - Aerospace, Military &** Medical

### *Primary products we manufacture and supply:*

Aircraft Interior Components
Avionic Insulation Systems
Ballistic Protection
<b>Bonding &amp; Sealing Adhesives</b>
Braking System Components
Displays & Signage
Electrical Insulation
EMI/RFI Shielding
Gaskets & Seals
Guarding & Windows

Instrumentation Composites MRI/CT Scanner Insulation Power Supply Insulation Protective Barrier Adhesives Static Management Structural Components **Thermal Interface Materials Thermal Management Turbine Engine Components** 

# \*Don't see the part or material you are looking for? Our sourcing specialists can help

# Products for Aerospace, Military & Medical

Aerospace, military and medical applications demand materials and components that are high-performance, meet strict specs, tight tolerances and offer long-lasting durability.

Electrowind converts high-quality advanced rigid and flexible materials from leading manufacturers including DuPont, 3M, Isovolta and Von Roll that allow you to stay ahead of the technology curve in your demanding industry.

Common materials we convert for your industry: Adhesive tapes from 3M, Intertape, Nitto Denko, Ideal and Saint-Gobain. Flexible insulations including NOMEX<sup>®</sup>, MYLAR<sup>®</sup>, KAPTON<sup>®</sup>, TEDLAR<sup>®</sup>, TEIJIN<sup>®</sup>, Mica and silicone rubber, Rigid laminates/phenolics including semi-conductive sheets, glass polyester GPO 1-3, glass silicone G-7, glass epoxy G-10/G-11/FR-4, hi-temp polyester SG-200/HT-1030, L, LE, C, CE, X, XX, XXX and ARBORON<sup>®</sup>. Plastics including DELRIN<sup>®</sup>, ULTEM<sup>®</sup>, UHMW, PVC, acetal, nylon, TEFLON<sup>®</sup>, LEXAN® polycarbonate and acrylic. Ballistic materials including KEVLAR®.

Electrowind serves the transportation industry offering solutions that improve reliability

From adhesive and insulating materials for transit and vehicle interiors, to magnet wire

and insulation for engine components, to rigid components and supports for rail

NOMEX<sup>®</sup>, MYLAR<sup>®</sup>, KAPTON<sup>®</sup> and TEDLAR<sup>®</sup>. Rigid laminates/phenolics including semi-

can be delivered accurately and quickly to keep your production moving efficiently.

infrastructure; we offer a variety of solutions for your industry.

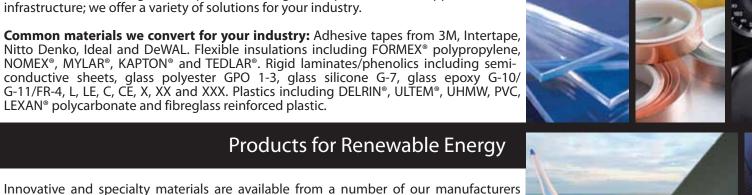
LEXAN<sup>®</sup> polycarbonate and fibreglass reinforced plastic.





# while reducing component cost and weight. Our advanced rigid and flexible materials







# Products for Transportation/Automotive

# **PRODUCT LINE - Transportation/Automotive**

\*Don't see the part or material you are looking for? Our sourcing specialists can help

# Primary products we manufacture and supply:

Bonding & Joining Liquids	Rail & T
Clutch & Braking Components	Railroa
Displays & Signage	Power S
Electric Motor Components	Sealing
EMI/RFI Shielding	Sound
Film Capacitors	Structu
Gaskets & Seals	Tractio
Guarding & Windows	Therma
Interior Components	Vibratio

Frack Components ad/Subway Supports Supply Insulation g Adhesives/Epoxies Control ural Components on Motor Insulation ial Management ion Control

# Products for Renewable Energy

Innovative and specialty materials are available from a number of our manufacturers including Von Roll, 3M, Saint-Gobain, DuPont and Isovolta. These materials are designed specifically to protect, insulate, adhere and support in various wind, solar, hydro and other renewable energy applications.

Our quality products are designed to provide sustainable power for a lifetime.

**Common materials we convert for your industry:** Adhesive tapes from 3M, Intertape and Saint-Gobain. Flexible insulations including FORMEX<sup>®</sup> polypropylene, Mica, silicone rubber, MYLAR<sup>®</sup>, TEIJIN<sup>®</sup>, KAPTON<sup>®</sup>, TEDLAR<sup>®</sup> and TEFLON<sup>®</sup>. Rigid laminates including glass polyester GPO 1-3, glass melamine G-5/G-9 and glass silicone G-7. Plastics including DELRIN<sup>®</sup>, ULTEM<sup>®</sup>, UHMW, PVC and LEXAN<sup>®</sup> polycarbonate. Glass and specialty metals.

### Primary products we manufacture and supply: Finishing Tapes

**PRODUCT LINE - Renewable Energy** 

Bonding & Joining Liquids	Finishing Tapes
Bus Bar Insulation Tape	Guarding & Windows
<b>Components for Wind Turbines</b>	Power Supply Insulation
Components for Photovoltaics	Protective Tapes & Films
Conductive Materials	Sealing Adhesives/Epoxies
Conductor Insulation	Solar Films
Electrical Insulation	Structural Components
EMI/RFI Shielding	Transfer Films
Encapsulants	Thermal Management

Infrastructure

Architectural Materials

Chain Guides & Tracks

**Conductive Materials** 

**Displays & Signage** 

**Electrical Insulation** 

Electrode Arm Insulation

**Fume Hood Insulation** 

**Furnace Insulation** 

Gaskets & Seals

Electrode Clamp Insulation

Gears, Bearings & Sprockets

Ballistic Protection

**Bus Insulation** 

# Structural Components ransfer Films hermal Management \*Don't see the part or material you are looking for? Our sourcing specialists can help

Guarding & Windows

Insulating Bolt Covers

Platen & Mold Insulation

Power Supply Insulation

Mast Insulation

Material Handling

**Protective Barriers** 

**Plunger Insulators** 

Roof Lift Insulation

Thermal Insulation

Specialty Components

Structural Components

# Products for Industrial, Thermal, Mining & Infrastructure

For general industrial applications and harsh or demanding environments, Electrowind offers a wide variety of products suited to your application.

Our rigid and flexible materials are designed to meet demanding specifications including high-temperature, high-dielectric, high-strength, corrosion-resistance and flameretardancy. Combined with our extensive converting capabilities; challenge us to produce your component and let us find the best solution to meet your specific requirements.

Common materials we convert for various industry: Flexible insulations including NOMEX<sup>®</sup>, MYLAR<sup>®</sup>, TEIJIN<sup>®</sup>, KAPTON<sup>®</sup>, COPACO<sup>®</sup>, TUFQUIN<sup>®</sup>, TEDLAR<sup>®</sup>, KEVLAR<sup>®</sup>, Mica, FORMEX® polypropylene and silicone rubber. High-performance tapes from 3M, Ideal, Intertape, Saint-Gobain and Nitto Denko. High-pressure laminates/phenolics including glass polyester GPO 1-3, glass silicone G-7, glass epoxy G-10/G-11/FR-4, hi-temp polyester ŠG-200/HT-1030, L, LE, Č, CE, X, XX, XXX and ARBÓRON<sup>®</sup>. Plastics including DELRIN<sup>®</sup>, ULTEM®, UHMW, nylon, LEXAN® polycarbonate and acrylic. Glass and specialty metals. Other unique materials including products infused with ceramic, glass and KEVLAR<sup>®</sup>.



**PRODUCT LINE - Industrial, Thermal, Mining &** 

Primary products we manufacture and supply:

\*Don't see the part or material you are looking for? Our sourcing specialists can help.

Wear Plates





# Thousands of products in-stock and ready to ship to your door!

Magnet Wire | Flexible Insulations | B-Stage Products | Specialty Tape |

Rigid Laminates | Adhesive Tapes | Non-Adhesive Tapes & Cords Sleeving | Tubing | Heat Shrink | Varnish & Resin | Wedges Specialty Coatings | Sealants | Adhesives & Lubricants | Mica Products | Metal Foil/Strips Production & Test Equipment | Parts & Tools | Shielded Cable | Separator & Cuffed Coils

Electrowind is your one-stop supplier for all of your wire, insulation and converting needs.

Since 1983, we have served industry with the highest level of service and technical expertise, offering our customers value-added services that are unparalleled in the market.

*Electrowind is a full stocking distributor offering the* largest inventory of wire and insulations in Canada, and serving customers across the globe. Full in-house converting/fabrication capabilities are available through Electrowind Converting Solutions.

Choose Electrowind for our high-quality and vast product offering, unparalleled service, technical expertise and converting capabilities, and challenge us to live up to our reputation.

- Full stocking distributor offering Just-In-Time delivery service.
- Industry leading customer service and support.
- Cost-effective product and converting solutions.
- Sourcing and inventory management services.
- Free varnish evaluation and maintenance programs.
- Dedicated sales team managing your account.
- Emergency service available after hours and weekends.



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