



Providing a World of Metals



Canada's Most Diversified Metal Service Center

Diversified Ulbrich is a full-line metal service center specializing in the Sales and Distribution of metallic high-quality alloys and non-metallic materials for the aerospace and non-aerospace industries. As Canada's premier distributor of metal products, we supply **Stainless Steel and Aluminum in Sheet, Bar, Plate, Tubing, Structural Angle, Rolled, and Slit Coil** to a wide array of businesses. We also offer Specialty Metals, which are the newest addition to our robust product line.

Our **50+ years of experience** serving the Canadian Industry will meet every metal requirement need your business has.

50+

Years of Experience

30+

Markets Served

20,000+

Products in Inventory



"Our philosophy in the early years is the same as it is now:
give customers what they need, when they need it,
and do your best to exceed their expectations."
-Fred Ulbrich Jr.



Fast Turnaround
and Delivery



Metallurgists and Product
Specialists on Staff



Providing a World of Metals to
Canada and the United States

Our Quality Policy

Diversified Ulbrich is committed to meeting the requirements of our Quality Management System and providing total customer responsiveness and satisfaction.

Quality objectives are established and reviewed to ensure operational excellence and continuous improvement of our products, processes and services by all employees of Diversified Ulbrich.



Certifications

Our products meet the highest industry standards, certified to **AS9120 B and ISO 9001:2015.**



Long Term Projects

Long-term partnerships meeting your specific material requirements.

Just In Time

Have the materials you need on your floor when you need them.

ALLOY / UNS	DESCRIPTION	C MAX	NI	CR	MN	OTHER	DENSITY
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Stainless Steel Materials

AUSTENITIC

201 UNS S20100	Chromium-nickel manganese steel was developed as a satisfactory alternative for Type 301 in many applications.	0.15	3.30 - 5.50	16.00 - 18.00	16.00 - 18.00	P 0.06 Max S 0.03 Max N 0.25 Si 1.00 Max	0.28
201LN S20153	An austenitic stainless steel developed for transportation, cryogenic containment.	0.03	4.00 - 5.00	16.00 - 17.50	6.40 - 7.50	P 0.045 Max S 0.015 Max Si 0.75 Max N 0.10-0.25 Cu 1.00 Max	0.28
254 SMO S31254	Highly resistant to crevice corrosion, pitting and chloride stress. Used in chemical, salt water, scrubbers and pulp/paper industry.	0.02	17.50 - 18.50	19.50 - 20.50	1.00 Max	P 0.030 Max S 0.010 Max Cu 0.50-1.00 N 0.18-0.22	0.28

301 S30100	Chromium-nickel steel capable of attaining high tensile strength and ductility by moderate or severe cold working.	0.15	6.00 - 8.00	16.00 - 18.00	18.00 2.00 Max	P 0.045 Max S 0.03 Max Si 1.00 Max	0.29
301LN S30153	301LN is a higher nitrogen content version of 301L to compensate for the lower carbon.	0.03	6.00 - 8.00	16.50 - 18.50	2.00 Max	P 0.045 Max S 0.03 Max Si 1.00 Max N 0.07-0.20	0.29
303 S30300	Free machining grade (sulfur added) with good machinability, corrosion resistance and strength.	0.15	8.00 - 10.00	17.00 - 19.00	2.00 Max	P 0.20 Max Si 1.00 Max S 0.15 Min	0.28
304 S30400	Low-carbon, chromium-nickel stainless and heat-resistant steel. Somewhat superior to Type 302 in corrosion resistance.	0.08	8.00 - 10.50	18.00 - 20.00	2.00 Max	P 0.045 Max S 0.03 Max Si 1.00 Max	0.29
304H S30409	Controlled carbon grade of 304 for increased strength at operating temperatures above 800°F.	0.04 - 1.00	8.00 - 10.50	18.00 - 20.00	2.00 Max	P 0.04 Max Si 1.00 Max S 0.03 Max	0.28
304L S30403	Very low carbon chromium-nickel steel with general corrosion resistance similar to Type 304 but with superior resistance to intergranular corrosion following welding or stress relieving.	0.03	8.00 - 12.00	18.00 - 20.00	2.00 Max	P 0.045 Max S 0.03 Max Si 1.00 Max	0.29
309 S30900	High corrosion-resistant, chromium-nickel grade with carbon limited to .08	0.08	12.00 - 15.00	22.00 -24.00	2.00 Max	P 0.045 Max S 0.03 Max Si 1.00 Max	0.29
309S S30908	Controlled carbon version of 309. 309S maintains corrosion resistance at higher operating temperatures.	0.08	12.00 - 15.00	22.00 -24.00	2.00 Max	P 0.045 Max Si 1.00 Max S 0.03 Max	0.29
310 S31000	Similar to 309 with higher resistance to corrosion and oxidation at elevated temperatures.	0.25	19.00 - 22.00	24.00 - 26.00	2.00 Max	P 0.045 Max S 0.03 Max Si 1.50 Max	0.29
310S S31008	Maintains good strength and corrosion resistance at higher operating temperatures.	0.08	19.00 - 22.00	24.00 - 26.00	2.00 Max	P 0.045 Max S 0.030 Max Si 1.50 Max	0.29
316 S31600	Chromium-nickel, stainless and heat-resisting steel with superior corrosion resistance to other chromium-nickel steels when exposed to many types of chemical corrosdents. Superior creep strength at elevated temperatures.	0.08	10.00 - 14.00	16.00 - 18.00	2.00 Max	P 0.045 Max S 0.03 Max Si 1.00 Max Mo 2.00-3.00	0.29

Alloy / UNS	Description	C Max	Ni	Cr	Mn	Other	Density
316L S31603	Low-carbon, chromium-nickel stainless steel with general corrosion resistance similar to Type 316 but with superior resistance to intergranular corrosion following welding or relieving. It is recommended for use in parts which are fabricated by welding and cannot be subsequently annealed.	0.03	10.00 - 14.00	16.00 - 18.00	2.00 Max	P 0.045 Max S 0.03 Max Si 1.00 Max Mo 2.00-3.00	0.029
321 S32100	Chromium-nickel steel containing titanium. Recommended for parts fabricated by welding which cannot be subsequently annealed. Also recommended for parts to be used at temperatures between 800°F and 1850°F.	0.08	9.00 - 12.00	17.00 - 19.00	2.00 Max	P 0.045 Max S 0.03 Max Si 1.00 Max Ti 5 x C Min	0.29
FERRITIC							
409 S40900	Corrosion resistant at elevated temperatures. Fair strength properties and formability while maintaining reasonable cost. Many auto applications.	0.08		10.50 - 11.75	0.50 Max	P 0.045 Max Si 1.00 Max S 0.045 Max	0.27
410 S41000	General purpose corrosion and heat-resisting chromium steel. Good corrosion resistance and fair machining properties. Can be treated to RC35/45.	0.15		11.50 - 3.50	1.00 Max	P 0.04 Max S 1.00 Max Si 1.00 Max	0.28
410S S41008	Alloy 410S is a low-carbon, non-hardening modification of Alloy 410.	0.08	0.60 Max	11.50 - 14.50	1.00 Max	P 0.040 Max Si 0.040 Max S 0.030 Max	0.28
MARTENSITIC							
430 S43000	General purpose grade, corrosion-resistant, straight chromium grade, non heat-treatable.	0.12		16.00 - 18.00	1.00 Max	P 0.04 Max S 0.03 Max Si 1.00 Max	0.28
439 S43035	Designed with added titanium for applications where chloride stress is an issue.	0.04	0.50 Max	17.00 - 18.00	1.00 Max	Si 0.60 Max Ti 0.20-0.60	0.27
17-4PH S17400	Precipitation-hardening stainless steel with high strength and good corrosion resistance to 600°F. Used in aerospace, chemical, petrochemical, paper and metalworking industries.	0.07	3.00 - 5.00	15.00 - 17.50	1.00 Max	P 0.04 Max Si 1.00 Max Cu 3.00-5.00	0.28
2205 S32205	A nitrogen, molybdenum-enhanced austenitic-ferritic duplex stainless steel with general corrosion resistance similar to 904L, but with a yield strength nearly double that of austenitic.	0.03	4.50 - 6.50	22.00 - 23.00			0.28

ALLOY / UNS	DESCRIPTION	C MAX	NI	CR	MN	OTHER	DENSITY
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Aluminum Materials

3003 A93003	Non heat-treatable alloy with good corrosion resistance and moderate strength. Can develop strength with cold working.				1.00 - 1.50	Al - Balance Cu 0.05-0.20 Fe 0.70 Max Remainder Each 0.05 Remainder Total 0.15 Si 0.60 Max Zn 0.10	0.09
5052 A95052	Higher strength non-heat-treatable alloys with high fatigue strength vibration. The alloy has excellent corrosion resistance and formability.			0.15 - 0.35	0.10 Max	Al-Balance Cu 0.10 Max Magnesium 2.20-2.80 Remainder Each 0.05 Remainder Total 0.15 Si+Fe 0.45 Max Zn 0.10 Max	0.09
5086 A95086	Higher strength non-heat-treatable alloy that can be readily welded. The alloy has excellent corrosion resistance and high electrical conductivity.			0.05 - 0.25	0.20 - 0.70	Al – Balance Cu 0.10 Max Mg 3.50-4.50 Si 0.40 Max Fe 0.50 Max Zn 0.25 Max Ti 0.15 Max Remainder Each 0.05 Remainder Total 0.15	0.09
5083 A95083	Retains exceptional strength due to welding has the highest quality of non-heat treatable composites, but is not recommended for use at temperatures above 65°C.			0.05 - 0.25	0.40 - 1.00	Al – Balance Cu 0.10 Max Mg 40-4.90 Si + Fe 0.4 Max Zn 0.25 Max Ti 0.15 Max Remainder Each 0.05 Remainder Total 0.15	0.09
6061 A96061	Medium fatigue strength heat treatable alloy with very good corrosion resistance, weldability and efficiency. Strength can be increased by cold working.			0.04-0.35	0.15 Max	Al – Balance Cu 0.15-0.40 Mg 0.80-1.20 Si 0.40-0.80 Fe 0.70 Max Zn 0.25 Max Ti 0.15 Max Remainder Each 0.05 Remainder Total 0.15	0.09
2024 A92024	Heat-treatable aluminum alloy with copper as the primary alloying element. It is malleable when in the fully soft, annealed temper. It is widely used in aerospace applications.			0.10	0.30 - 0.90	Al – Balance Cu 3.80-4.90 Mg 1.00-1.80 Si 0.50 Fe 0.50 Zn 0.25 Ti 0.15	0.09
7050 A97050	Demonstrates high strength, high resistance to corrosion, high fracture toughness, and fatigue resistance. Is widely used for aircraft structure applications. This alloy exhibits better corrosion resistance and toughness than 7075 and has become the metal of choice for fuselage frames, bulkheads and wing skins.			0.04 Max	0.10 Max	Aluminum – Balance Cu 2.30 Mg 2.25 Si 0.12 Fe 0.15 Zn 6.20 Max Ti 0.06 Max	0.09
7075 A97075	Heat-treatable aluminum alloy with zinc as the primary alloying element. It has moderated formability when in the fully soft, annealed temper and can be heat-treated to strength levels.			0.18-0.28	0.30 Max	Al – Balance Zn 5.10-6.10 Mg 2.10-2.90 Cu 1.20-2.00 Si 0.40 Fe 0.50 Ti 0.20	0.09

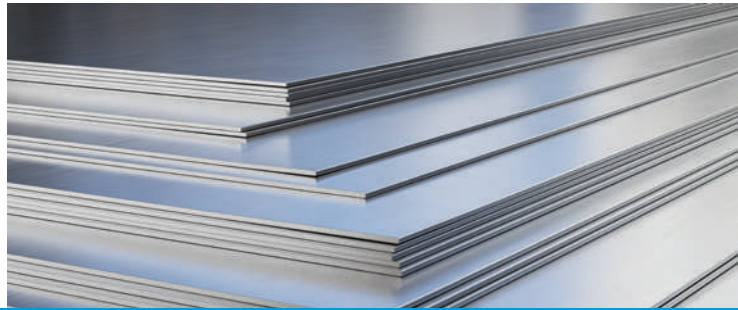
Nickel Materials

400 N04400	A solid solution alloy with high strength and toughness over wide temp. ranges. Used in electronic components, springs. Corrosion resistant and oxidation resistance to 1000°F.	0.15	66.50 Max		1.00 Max	Fe 1.25 Max Si 0.50 Max Cu 31.5 Max S 0.01 Max	0.31
Inconel N06600	Has high corrosion and heat resistance combined with excellent strength and workability. Mainly used in corrosive atmospheres. Oxidation resistance to 2150°F.	0.08	76 Max	15.50 Max	0.50 Max	Cu 0.25 Max	0.30
36 K93601	Alloy possessing a low coefficient of thermal expansion. Used in clocks and other expansion sensitive applications.	0.05	36 Nominal	0.25 Min		Cobalt 0.5 nominal Si 0.40 Max S 0.015 Max	0.29

Our Products

Stainless Steel

We have a variety of stainless steel for multiple industries and every need.



- COIL
- SHEET
- PLATE
- PIPE
- FORGINGS
- SQUARE TUBE
- ROUND TUBE
- RECTANGULAR TUBE
- BEAM
- CHANNEL
- FLATBAR
- ANGLE BAR
- SQUARE BAR
- ROUND BAR
- CHECKER PLATE
- HEX BAR



Aluminum

Diversified Ulbrich stocks a vast inventory of aluminum coil, plate and sheet that is available in a wide variety of alloys and tempers. We compliment this product line with standard and custom extrusions.

- COIL
- SHEET
- PLATE
- PIPE
- SHAPES
- SQUARE TUBE
- ROUND TUBE
- RECTANGULAR TUBE
- BEAM
- CHANNEL
- FLATBAR
- ANGLE BAR
- EXPANDED METAL
- SQUARE BAR
- ANGLE BAR
- ROUND BAR
- CHECKER PLATE-METRIC
- HEX BAR

Specialty Metals

We offer a wide range of products in Nickel, Brass and Copper.



NICKEL

- PLATE
- SHEET
- TUBE
- ROUND BAR

BRASS

- HEX BAR
- ROUND BAR

COPPER

- ROUND TUBE

Stainless Steel

Long Products



Bar, Tubing and Angle

Diversified Ulbrich is pleased to announce an expansion of long product inventory including bar, tube and structural angle to compliment our extensive sheet and strip capabilities in both our Toronto and Montreal branches.

- Same Day and Next Day Delivery
- Competitive Pricing and Extensive Inventory
- High-Quality Product from Trusted Sources
- Cut-to-Length Processing and Special Orders

Stainless Steel Long Products

Stainless Round Bar
Stainless Slit Edge and True Flat Bar
Stainless Square Bar
Stainless Hex Bar
Stainless Round Tube
Stainless Rectangular Tube
Stainless Structural Angle
Stainless Square Tube

Dimensions

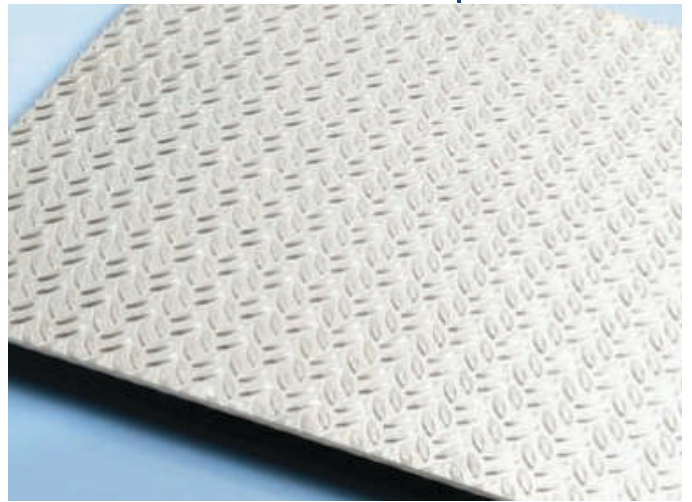
0.125" - 18" Diameter
0.125" - 0.500" thick x 0.500" - 6" wide
0.1875" - 2"
0.1875" - 2"
0.500" O.D. to 4" O.D.
0.500" x 0.500" x 0.065" to 6" x 6" x 0.250"
0.500" x 1" x 0.065" to 4" x 6" x 0.250"
0.750" x 0.750" x 0.125" up to 6" x 6" x 0.500"

Stainless Steel Products Services:

- Cut to Length with Standard or Precision Tolerances
- Custom Orders for Special, Grades or Sizes
- Polishing and Special Finishes
- Experienced & Dedicated Sales Team for Superior Customer Service
- Free Machine Grades Available

Aluminum Sheets with ELVAL grain™ Pattern

Aluminum sheets with Elval grain™ pattern is an innovative solution that meets the needs of refrigerated truck manufacturers for freight movement on high-strength aluminum floors. The product's main advantage is in its production: aluminum sheets, with special pattern on top for better anti-slippery properties, low-noise emission and painted back side for perfect bonding with the plywood of the chassis of the trailer. ELVAL grain™ can also be used for General Engineering, Industrial Applications and Construction products.

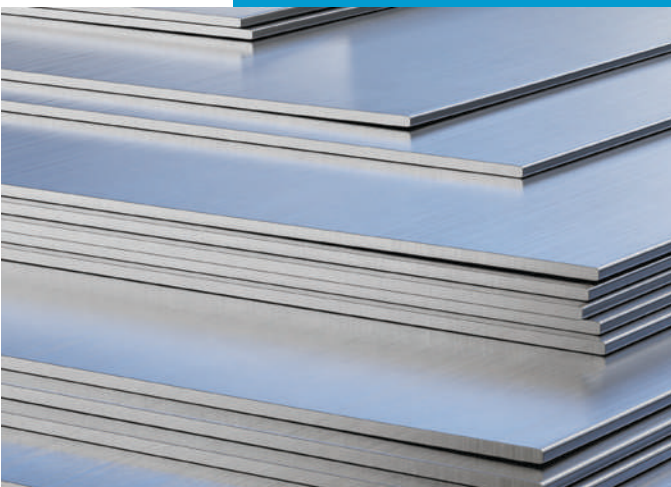


We offer superior advantages when it comes to supplying Aluminum Sheets with ELVAL grain™ pattern:

- Extensive stock and inventory control in a variety of thicknesses and sizes
- Next-day delivery (less than 24 hours) in Canada's Ontario and Quebec provinces and the Northeastern United States
- Competitive pricing when compared to traditional industry standards

Aluminum Extrusions

Extrusion is defined as the process of shaping material, such as aluminum, by forcing it to flow through a shaped opening in a die. Extruded material emerges as an elongated piece with the same profile as the die opening. Aluminum extrusion is used for a wide range of purposes in various markets such as architecture, automotive, consumer products, HVAC, energy and many more. These diverse applications are possible due to the advantageous attributes of aluminum, from its particular blend of strength and ductility to its conductivity, its non-magnetic properties and its ability to be recycled repeatedly without loss of integrity. All of these capabilities make aluminum extrusion a viable and adaptable solution for a growing number of manufacturing needs.



XL Blend "S"

XL Blend "S" is a breakthrough new stainless steel

- Repairs damage to the surface that may have occurred during welding.
- Creates a clean, smooth and uniform exterior.
- XL Blend "S" provides a surface that is less reflective, which makes it easier to clean and maintain.
- Assures uniformity of color, sheet to sheet than other mechanical finishes.

Abel Black™ Stainless Steel

Top Marks for Strength, Beauty and Versatility

One of the most desirable materials for architects, builders, and product designers is black stainless steel. With its elegant finish, impressive durability, and exceptional processing versatility, Abel Black™ stainless steel has quickly become the material of choice for a wide range of products and applications.

Abel Black™ stainless steel is made using a proprietary coloring method that preserves stainless steel's metallic texture (unlike painting or plating). Electricity and chemicals are used to create an oxide film that causes light inference, making the stainless steel surface appear black. Since the oxide film is integrated with the base metal, it will not peel off and delivers higher durability and weather resistance than untreated stainless steel.

Ultimate Processability

Abel Black™ has a deep, lustrous finish, but that isn't its only advantage.

Abel Black™ also delivers excellent performance when processed in a variety of ways, including:

- **Punching and Cutting.** Its thin oxide film will not peel, even when the sheet metal is pressed or laser cut. Abel Black™ also retains the same workability as ordinary stainless steel.
- **Bending.** The black finish will not crack or peel, even when black stainless is bent at sharp or right angles.
- **Pressing.** Abel Black™ stainless steel is sometimes pressed to create complex formations or insert moldings. Resistant to buckling under pressure, Abel Black™ stainless coil is ideal for producing composite parts which cannot be surface treated after forming.
- **Drawing.** With excellent torsion characteristics, Abel Black™ stainless steel is ideal for roll forming and drawing.
- **Rolling.** Abel Black™ can withstand extreme bending and winding, making it an excellent choice for roll-to-roll applications.



Black Stainless Steel Applications

With its strength, versatility, and attractive finish, Abel Black™ stainless steel is the preferred material for a wide range of building and consumer applications. Many builders will specify it for outdoor signage, exterior accessories, railings, and other accent features. In home design, Abel Black™ is often used to create high-end furniture and decorative kitchen panels. It's even commonly found in personal consumer products like smartphone covers and speaker grills.

Processing Services

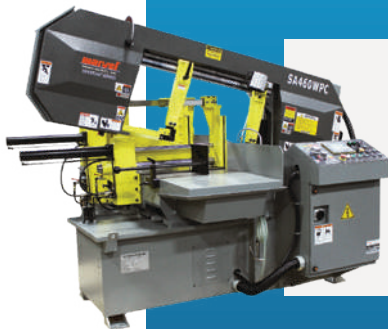
We are committed to supplying metal solutions that are customized to your projects in various manufacturing and fabrication applications. We process material in-house and partner with some of the best-equipped processors across North America.

At Diversified Ulbrich we have a vast selection of 20,000 + inventory items to choose from for Next-day Delivery (less than 24 hours) throughout Ontario, Quebec and the Northeastern United States.

Our processing capabilities include slitting, cut to length, shearing and more...

Cut to Length

Stainless Steel and Aluminum Coil can be cut to precise lengths. We process up to 72" wide sheet and up to 79" wide plate with thickness from 0.018" to ½".



Bar Saw

Capacity	Rectangular	Round	Square
Blade at 90°	15" H x 24" W (380 mm x 610 mm)	18" (460 mm)	18" x 18" (460 mm x 460 mm)
Blade at 45°	15" H x 15" W (380 mm x 380 mm)	15" (380 mm)	

Shearing

We offer Stainless Steel and Aluminum Sheet shearing specific for your requirements. We deliver lengths up to 144" and can shear ranging in thickness from .024" to ¼" thick.

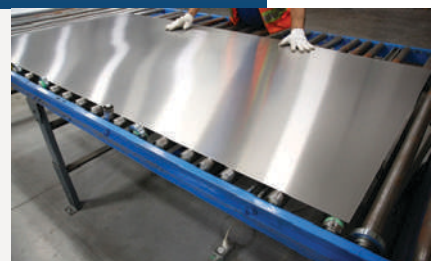


Coil Slitting

Stainless Steel, Aluminum and Specialty Metals slit to your custom width. We slit widths as narrow as 0.500" and thickness from 0.010" to 3/16"

Coating Applications

We carry an extensive inventory line of regular PVC and Fiber Laser Tapes at our distribution centers. Our in- house taping lines are capable of covering widths of 36" – 72" wide.



**Please visit www.diversifiedulbrich.ca for additional product information*

Markets We Serve

Since 1997 our goal at Diversified Ulbrich has been to consistently fulfill our customer's requirements in a variety of market sectors. Our Sales Team is dedicated to delivering competitively priced, quality products on time.

With our ability to source worldwide, we offer a wide range of products for multiple applications in a various industries. We offer value-added quality products aligned with reliable delivery for seamless project execution.



AEROSPACE



MEDICAL



MASS TRANSIT



TRANSPORTATION



HVAC



INDUSTRIAL



KITCHEN EQUIPMENT



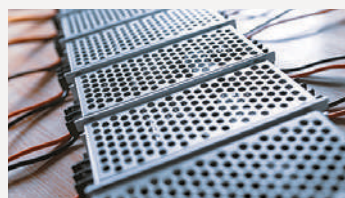
SOLAR



AUTOMOTIVE



AGRICULTURE



ELECTRONICS



WATER TREATMENT



PULP AND PAPER



CONSUMER



ENVIRONMENTAL



POWER



MINING



ARCHITECTURE &
CONSTRUCTION



OIL & GAS



DISTRIBUTION



Strategic Location

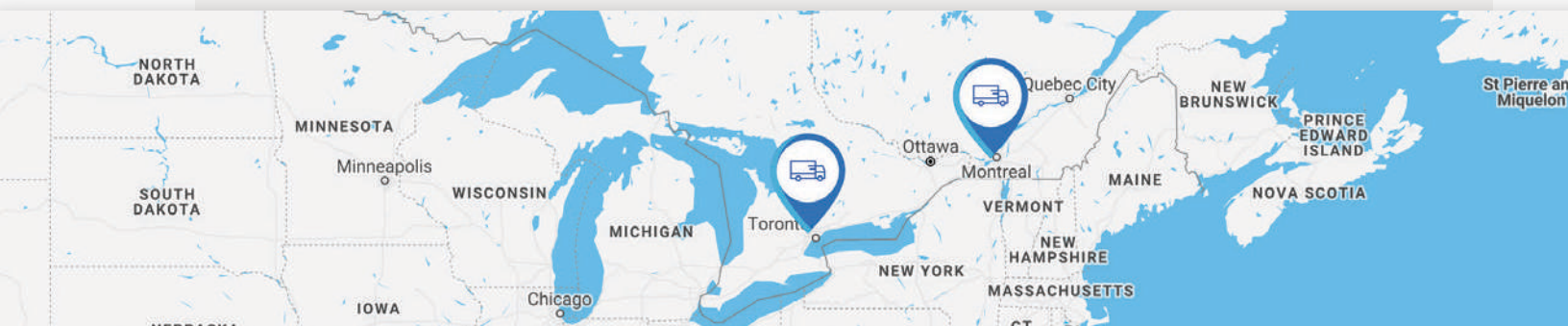
Located strategically in both Toronto and Montreal, our Diversified facilities total boast over 150,000 square feet of warehouse and production space. Our products are in stock and ready to ship same day and next day.



Ontario

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