


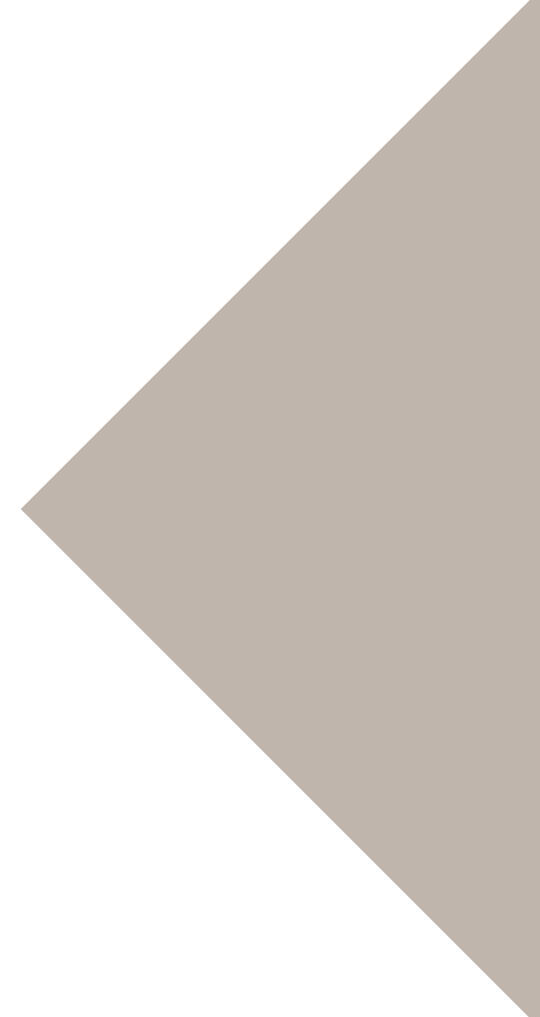


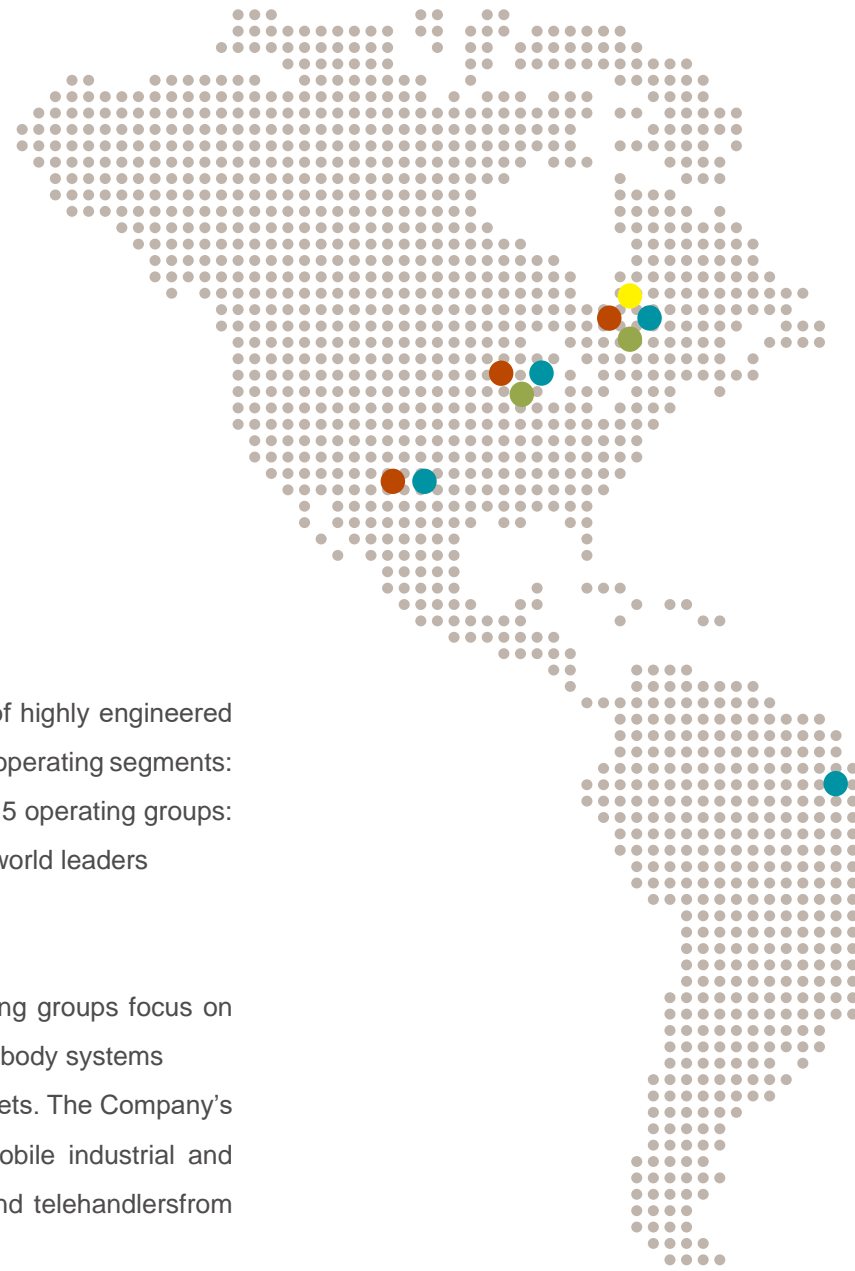
 **LINAMAR**



KEY FACTS

Company Name:	Linamar Corporation
Type:	Public (Toronto Stock Exchange: LNR)
Founded:	August 17, 1966
Headquarters:	Guelph, Ontario, Canada
CEO:	Linda Hasenfratz
Employees:	Over 28, 700
2017 Sales:	\$6.5 CAD (in billions)
Operating Structure:	Machining & Assembly Group <ul style="list-style-type: none">▪ Americas▪ Europe▪ Asia/Pacific Global Forging Group Global Light Metal Casting Group Global Skyjack Group Global Agriculture Group

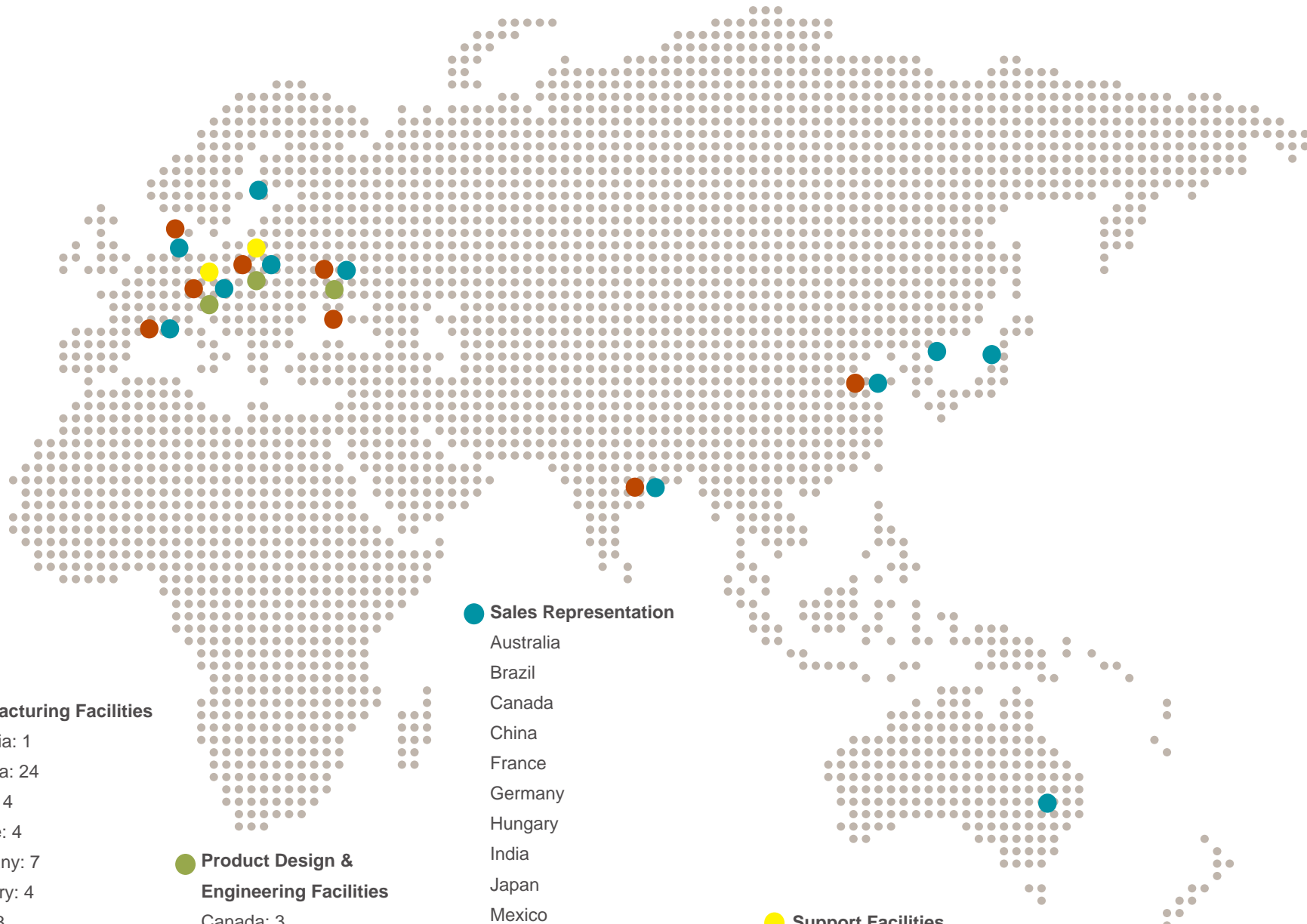
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O V E R V I E W

Linamar Corporation (TSX: LNR) is a diversified global manufacturing company of highly engineered products powering vehicles, motion, work, and lives. The Company is made up of 2 operating segments: the Transportation segment and the Industrial segment. This is further divided into 5 operating groups: Machining & Assembly, Light Metal Casting, Forging, Skyjack, and Agriculture, all world leaders in the design, development and production.

The Company's Machining & Assembly, Light Metal Casting and Forging operating groups focus on precision metallic components, modules and systems for powertrain, driveline and body systems designed for global electrified and traditionally powered vehicle and industrial markets. The Company's Skyjack and MacDon companies are noted for their innovative, high quality mobile industrial and harvesting equipment respectively, notably class-leading aerial work platforms and telehandlers from Skyjack, and draper headers and self-propelled windrowers from MacDon.



● Manufacturing Facilities

- Bulgaria: 1
- Canada: 24
- China: 4
- France: 4
- Germany: 7
- Hungary: 4
- India: 3
- Mexico: 5
- Spain: 1
- United Kingdom: 1
- United States: 6

● Product Design & Engineering Facilities

- Canada: 3
- France: 1
- Germany: 1
- Hungary: 1
- United States: 2

● Sales Representation

- Australia
- Brazil
- Canada
- China
- France
- Germany
- Hungary
- India
- Japan
- Mexico
- South Korea
- Spain
- Sweden
- United Kingdom
- United States

● Support Facilities

- Canada: 2
- France: 1
- Germany: 1

CAPABILITIES

Extensive manufacturing capabilities enable Linamar to produce precision metallic powertrain systems, advanced aerial work platforms and durable industrial & agricultural assemblies. Linamar has a diverse range of capabilities which are continually evolving to better meet the needs of a global market.



- CNC Expertise
- Complex Assemblies
- Advanced Automation & Robotics
- Hydroforming
- Heat Treatment

PRECISION MACHINING & ASSEMBLY



- Hatebur High Speed Hot Horizontal Forging
- Conventional Vertical Forging
- Cold Forming
- Ring Rolling
- Radial Forging

FORGING



- Gravity & Low Pressure Aluminum Die Casting
- High Pressure Aluminum & Magnesium Die Casting (through GF Linamar)

LIGHT METAL CASTING



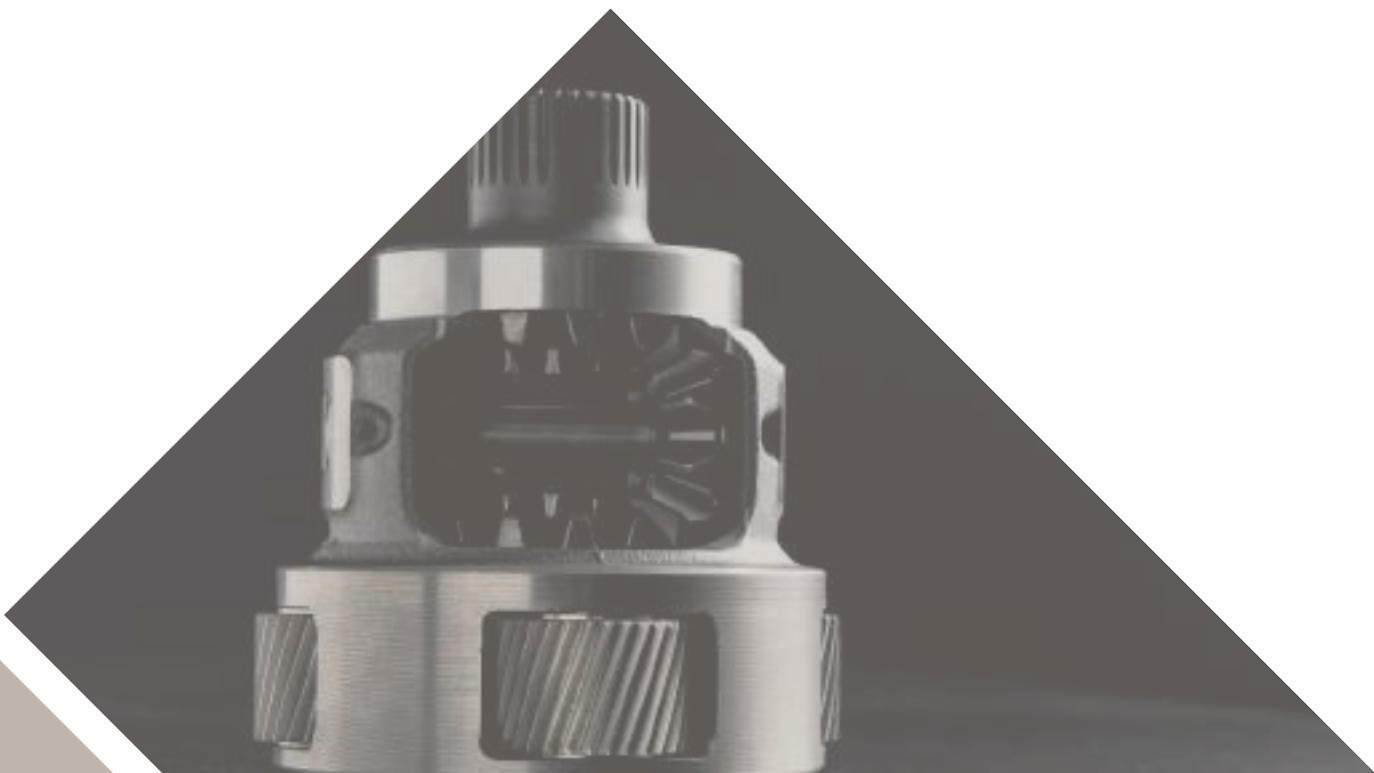
- Metal Forming
- Stamping
- Painting
- Robotic Welding

METAL FORMING

C O R E P R O D U C T S

From the core precision metallic components used in automotive powertrains to Skyjack's aerial work platforms to MacDon's agricultural product offerings, Linamar has a diversified product line up delivered by a workforce that has the "Power to Perform".

As a leading edge Tier 1 supplier to the automotive markets, Linamar provides core engine components including cylinder blocks & heads, camshafts, connecting rods, fuel system components, and balance shaft modules. For transmission, Linamar builds differential assemblies, gear sets, gearbox housings, shaft & shell assemblies, as well as clutch modules. For the vehicle's driveline, Linamar is a full service supplier of gears and gear driven systems such as PTUs and RDUs for use in all-wheel drive systems, and eAxles for hybrid and electric vehicles. Through the expansion into aluminum castings Linamar offers light weight body & structural components. From single machined components to complex assemblies, Linamar is the supplier of choice for OEM customers.



ENGINE

- Camshafts
- Cylinder Blocks & Heads
- Connecting Rods
- Balance Shaft Modules



TRANSMISSION

- Differential Assemblies
- Transmission Gears
- Shaft & Shell Assemblies
- Clutch Modules
- Gearbox Housings



DRIVELINE

- Engineered Gears
- Power Transfer Units (PTUs)
- Rear Drive Modules / Units (RDM / RDU)



eMOBILITY

- Single Motor eAxle
- Dual Motor eAxle
- Multi-Speed Commercial eAxle



BODY

- Shock Towers
- Centre Consoles
- Battery Housings
- Instrument Panel Beams





INDUSTRIES

As a diversified manufacturer, Linamar's products are found in a wide range of global industries. The company's reputation was built upon its expertise in precision machining of metallic powertrain products for the automotive industry. Linamar's capabilities, systems and practices span far beyond the reach of the automotive sector however. The following is a list of the key industries Linamar supplies to.



AUTOMOTIVE



COMMERCIAL



OFF-HIGHWAY



RECREATION



INDUSTRIAL



ENERGY



**AERIAL WORK
PLATFORMS**



AGRICULTURE

M c L A R E N E N G I N E E R I N G

A Global Product Engineering Organization

McLaren Engineering is the product engineering division of Linamar Corporation and focal point of the company's global Research and Development efforts. McLaren Engineering can provide:

- Complete Product System Engineering, Research & Development
- OEM Application Design Engineering Support
- External Prototype and Testing Services

McLaren Engineering is headquartered in Livonia, Michigan, USA, with locations in Guelph, Ontario, Canada, Crimmistchau, Germany, and Wuxi Jiansu, China.

A Rich Racing History

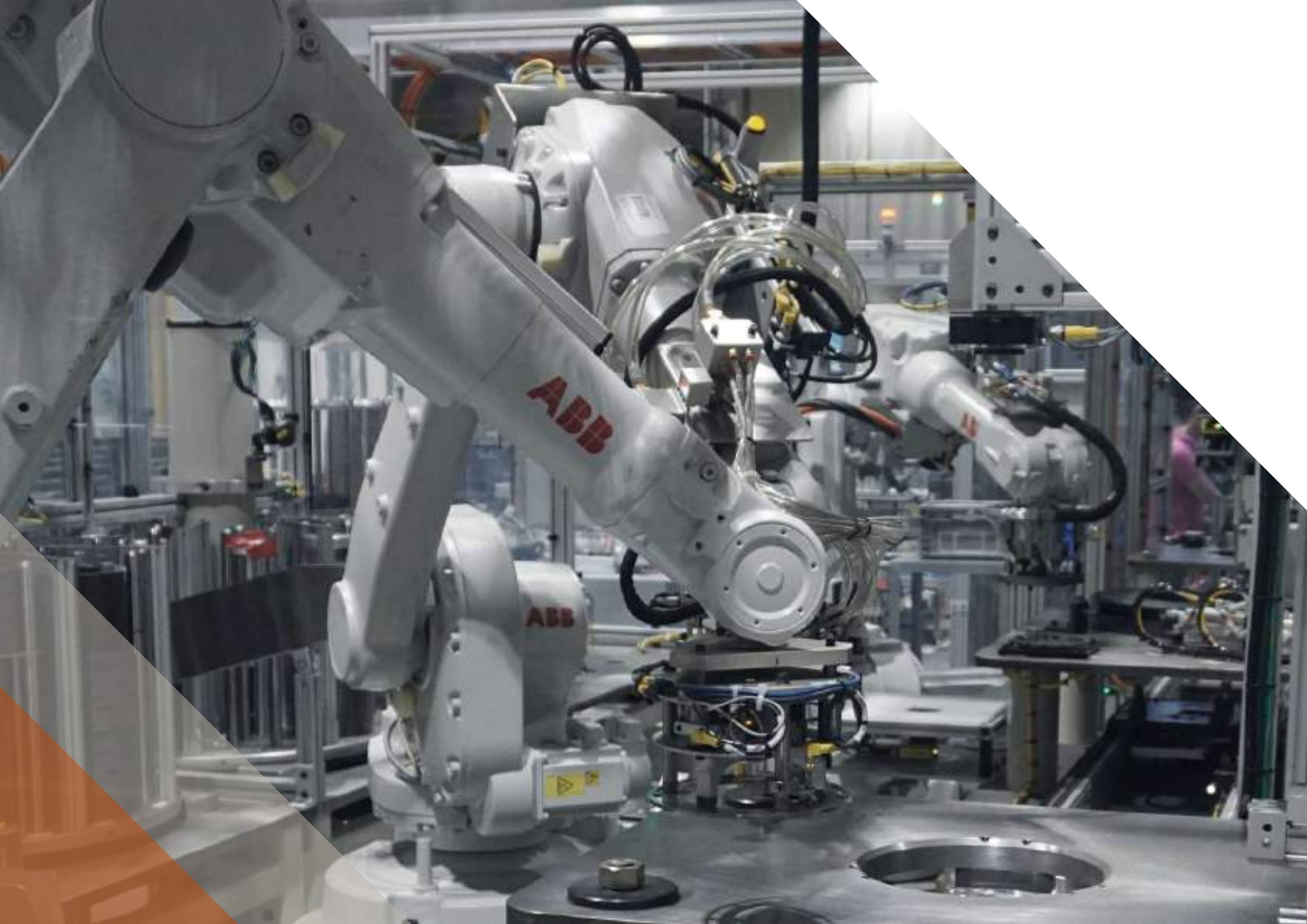
McLaren Engine was created in 1969 when the company founder and racing legend Bruce McLaren established a North American base to support its initiative in the Can-Am and Indy racing series. McLaren had great success over the course of the next several years after which time, McLaren racing efforts were re-concentrated in Europe with a focus on F1. Today, the two McLaren entities co-exist in name only.

Capabilities & Advantages

- Rich History Racing Inspired Engine Heritage
- Product Engineering Expertise
- Full Test & Validation Capabilities in Automotive Engine, Driveline, Transmission Systems
- World Class Gear Design and Development including NVH Optimization
- Driveline[®] Electric and Hybrid Propulsion Systems Development
- Research & Development







INNOVATION

Linamar is focused on exploring avenues of growth in a rapidly changing landscape. Collaborations with companies, schools, and other industries are combined with Linamar's global expertise in design, development, and manufacturing to foster innovation and build opportunities within this landscape. Linamar's agile culture is primed to embrace these disruptive technologies, and is investing in innovation to address growing and changing customer needs.

FEATURED PRODUCTS



**Volutew Hydrogen
Storage Tank**



**Protean In-Wheel
Motor**



3D Printed Gears

SKYJACK

Skyjack Inc. is a wholly-owned subsidiary of Linamar Corporation. Skyjack is a world-class leader in the industrial and construction equipment marketplace, providing a comprehensive line of aerial and material handling equipment. Through innovative use of technology and advanced quality and production systems, Skyjack products combine durability, strength and quality with a world-class brand.

Capabilities

Skyjack produces a full line of self-propelled slab and rough-terrain scissor lifts. Skyjack's mast and scissor model lineup features elevated work heights ranging from 18 up to 56ft, and capacities of up to 2,000lbs. Skyjack's expanding telescopic and articulating boom product lineup currently consists of models with work heights ranging from 46 to 92ft.

Skyjack also produces a full line of telescopic material handlers with its TH and Zoom Boom product lines. Its TH telehandlers feature lifting heights ranging from 43ft up to 56ft, and capacities up to 12,000lbs, while its ZB2044 telehandler features a lifting height of 44ft and a capacity of 20,000 lbs.

KEY PRODUCTS



Telescopic Booms



Articulating Booms



Telehandlers



DC Electric Scissor Lifts



Vertical Mast Lifts



Rough Terrain Scissor Lifts



SKYJACK

SJIII 3219

SJIII 3219 DC ELECTRIC

SKYJACK™
simply reliable



MacDon
FD145
FLEXDRAPER®

MacDon®

MACDON

MacDon is a world leader in technology, innovation, and manufacturing of high-performance harvesting equipment. Our products are distributed and supported worldwide from offices in Canada, the United States, Australia, Russia, and Brazil. Our relentless pursuit for improvement is driven by the desire to make harvesting easier and more productive for farmers.

We work directly with producers and custom harvesters to design, develop, and test our machines in the most demanding field conditions around the world. That's our way of ensuring that your MacDon-built equipment will deliver worry-free harvesting performance. We are proud of our worldwide reputation for excellence and take our position as The Harvesting Specialists seriously. Because at the end of the day, our equipment is harvesting the crops that help producers feed the world.

KEY PRODUCTS



Draper Headers



**Self Propelled
Windrowers**



**Pick Up
Heads**



Mower Conditioners



www.linamar.com