



Driving Stability Through Diverse Sales

You can depend on Imperial Metal Products to manufacture solutions that drive growth for your business.

Company Overview

Company	Imperial Metal Products	Founded in 1914, Imperial Metal Products manufactures custom machined parts out of its headquarters in Grand Rapids, Michigan.
Location	Grand Rapids, MI	Imperial has over 110,000 sq. ft. of manufacturing space and machines millions of custom precision parts annually.
Founded	1914	Imperial is one of Michigan's largest producers of CNC, gun drilled and automatic turned products and is focused on growth. Imperial is dedicated to growing by being the preferred single partner of choice, by being dependable through world class delivery and quality, by increasing our company efficiency to drive overall competitiveness, and by exploring new manufacturing technologies and new markets.
Employees	55+	
Industry	Precision Parts	
Ownership	The Armada Group (Private)	

Company Ownership and History



Imperial is owned by The Armada Group, a private holding company based in Grand Rapids, Michigan. The Armada Group is stable and financially strong with an experienced and talented management team. The holding company has four diversified divisions (construction, manufacturing, corrosion technology, real estate) and has operated each company for at least 15 years. (www.the-armada-group.com)

Imperial Company History

- 1914: Company originally produced wood lathes and other machines for the furniture industry
- 1992: Acquired by GA Richards Group
- 1997: Acquired by The Armada Group (Current Ownership)
- 2000: Moved from 810 Ionia Ave., to current location at 835 Hall St. SW due to the need for additional space
- 2000-2010: Acquired multiple companies to expand product offerings and improve capabilities



Heavy Truck

- ▶ 60+ years of heavy truck experience
- ▶ Key metal component supplier for a leading global manufacturer of suspensions, fifth wheels and landing gear
- ▶ Currently manufacture over 100 unique heavy truck parts
- ▶ Management team has an average of 20+ years experience in heavy truck
- ▶ Imperial engineers have significant experience supporting reverse engineering parts and supporting the design process for new parts



Automotive

- ▶ TS16949 Certified
- ▶ 60+ years serving the automotive market
- ▶ Delivering to OEM, Tier 1, and Tier 2
- ▶ Engineers average 20+ years in the automotive industry



Aerospace

- ▶ Over 35 years of experience in aerospace
- ▶ Experience manufacturing parts for a variety of aerospace applications including: engines, fasteners, steering controls, etc.
- ▶ Experience machining Inconel, Cronidur, A2 tool steel, stainless



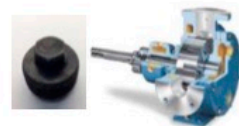
Appliance

- ▶ Significant experience producing high volume precision parts
- ▶ Produce over 1 million appliance parts per year
- ▶ Key supplier for recently 'onshored' appliances
- ▶ Experience manufacturing prototypes and delivering 'new' manufacturing processes



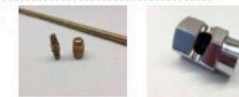
Industrial Pump

- ▶ Currently manufacture 30+ unique pump parts
- ▶ Serve market leading pump manufacturers
- ▶ Manufacture the majority of metal parts for several heavy industrial pump lines
- ▶ Work with pump makers to develop prototypes and develop manufacturing solutions



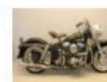
Consumer Products / Lawn and Garden

- ▶ Produce a number of nozzles for lawn and garden, fixtures for lighting and a variety of other parts for consumer products
- ▶ Co-developed inserts for high volume lighting components



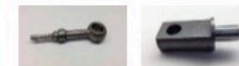
Marine

- ▶ Produce marine components for both internal and visible assemblies
- ▶ Manufacture gears, mounts, engine components and other key components
- ▶ Provide manufacturing engineer support on key marine items in development



Motorcycles / Recreational Vehicles

- ▶ Provide brake line fittings, trailer hitches and other parts for motorcycles, RVs, and other recreational vehicles
- ▶ Provide final machining on castings as well as develop parts from solid bar stock



Growth Through Quality



Network Companies

Materials

- ▶ Cold Drawn & Ground Steels
- ▶ Aluminum
- ▶ Brass
- ▶ Bronze
- ▶ Inconel
- ▶ Aerospace Nickel Alloys
- ▶ Powdered Metal
- ▶ Stainless Steels
- ▶ Standard Alloys
- ▶ Flat stock
- ▶ Plastics
- ▶ Delrin / Green Nylon
- ▶ Zinc
- ▶ Die Castings
- ▶ Cold Headed Blanks

Certifications

- ▶ TS16949
- ▶ ISO 9001:2008
- ▶ Cage Code

Tools

- ▶ RAM Optical vision machine
- ▶ SPC (Statistical Process Control): Able to view live data from any linked computers
- ▶ Gage R&R (Repeatability & Reproducibility)
- ▶ Capability Studies (utilizing the Datalyzer software)
- ▶ 8D and 5-why problem solving

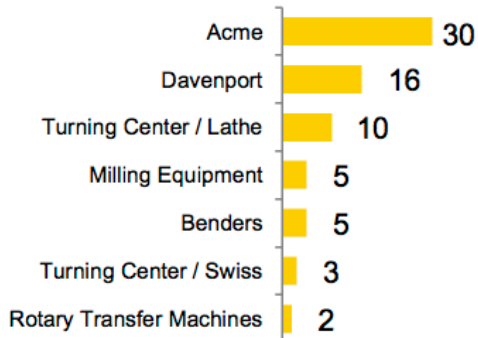


Imperial has developed a strong network of companies to compliment Imperial's existing offerings and provide total solutions to customers.

- ▶ Spring & Stamping – Michigan Spring and Stamping
- ▶ Cold Heading – Net Shaped Solutions
- ▶ Forging – Milwaukee Forge
- ▶ Custom Machine Making – Lomar Machine & Tool
- ▶ Supplier Network: heat treat, fine grind, plating, EDM, cold drawn material to shape, etc.

A Variety of Machines to Meet Your Needs

Selection of Machines Located at the Imperial Metal Products Headquarters



Imperial Machine Type: Tsugami lathes, HAAS mills, Hardinge lathes, among other pieces of equipment.

****Other equipment not identified above:** Broaching, Drill Presses, Warner & Swazey Chucks, Snow Drill Presses, Gun Drilling, 22 Ton Mechanical Press

CNC Department

Acme

Davenport

Bending, Milling, Broaching, Secondary

Sample Parts

