



**Circle Gear &
Machine Company, Inc.**

Circle Gear & Machine Company Inc.
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Custom Spur Gears

(click on thumbnail to enlarge)



Custom Spur Gears

As a full service provider of gear manufacturing services, **Circle Gear & Machine Co.** features full machining capabilities for all types of spur gears. Through nearly any process required for the end application, our spur gears are fabricated based on your needs. Our spur gears are manufactured in small or large sizes, with a maximum diameter of 120" and a face width up to 60". With our advanced spur gear forming and cutting equipment, we can achieve ratio figures of up to a 1.0 diametrical pitch, and modules to 24.

Just a few of the industries in which our spur gears are used include automotive, biotechnology, nuclear facilities, electrical systems, and pneumatics, as well as many more. Our facility features the equipment and capacity for gear hobbing, flame cutting, milling, shaping, and broaching, as well as gear forming machinery for forging, die casting, forging, and centrifugal casting. Contact us with your specifications and product details today, for a quote and more information.

RFQ / RFI

Custom Spur Gears Capabilities

Diameter	Max 120 Inch	
Diametrical Pitch	Min 32 DP	Max 1.0 DP
Module	24	
Face Width	Max 60 Inch	
General Capabilities	As Needed Contract Just-In-Time	Production Small Parts
Primary Capabilities	Die Forming Finishing	Heat Treating Machining
Materials	Acetal/Delrin Alloy Steel Aluminum Brass Bronze Carbon Steel Ductile Iron	Gray Cast Iron Nylon Plastic Phenolic Polycarbonate Polyester Stainless Steel
Industry Focus	Automotive Biotechnology Chemical Construction	Medical Mining Nuclear Oil, Gas, Petroleum

	Electrical Electronics Food Processing HVAC Heating, Ventilation, and Air Conditioning Machinery Marine	Optical Packaging Pharmaceutical Plumbing Pneumatics Pulp & Paper Pumps Semiconductor
Shaft Feature	Flat Hex	
Gear Cutting Method	Broaching Climb Hobbing Conventional Hobbing Flame Cutting	Milling Shaping
Gear Forming Method	Centrifugal Casting Die Casting Forging Sand Casting	Sand Casting
Gear Finishing Methods	Grinding Honing	Lapping Shaving
Heat Treatment Methods	Carburizing Flame	Induction Nitriding
Production Volume	Specialty Production Shop Prototype Low Volume Small Run	High Volume Large Run Long Run Large Scale Production Volume Run

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