

CAPABILITIES

Gear Type	Size Range	Pitch	AGMA Class	Remarks
Spur				
Hobbing	1/64 to 16"	3 to 200	12+	
Shaping	1/16 to 26"	3 to 200	12	22" max for internals
Gear Grinding	1/8 to 21.65"	2 to 96	15	
Helical				
Hobbing	1/64 to 16"	3 to 200	12	up to 88 degrees helix
Shaping	1/16 to 26"	3 to 200	12	22" max for internals up to 65 degree helix
Gear Grinding	1/4 to 21.65"	2 to 96	15	
Spline				
Hobbing	1/16 to 16"	3 to 200	12	22" max for internals
Shaping	1/4 to 26"	3 to 200	11	8" stroke length for internals
Gear Grinding	1/4 to 21.65"	2 to 96	15	
Worms				
Worm Gear	1/8 to 6"	4 to 180		
Sprockets	1/8 to 16"	3 to 200	12	subject to quote
	1/8 to 16"	3/4 pitch max		

Additional Capabilities:

Ratchets, Serrations, Timing Belt Pulleys, Racks, Face Gears

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ISO 9000, AS 9100, ISO 13485 Registered



TRAINING AND EDUCATION

Our employees attend several gear schools—Koeper Gear School, Gleason Gear School and AGMA Gear School at Daley College, in addition to receiving on-site training. In fact, we often send our set-up staff for training at machine manufacturers' plants in Germany or Italy. Forest City Gear invests over \$200,000/year in training efforts.

OUR CUSTOMERS

With over 900 customers worldwide, we are usually cutting gears for 350 to 400 in a given year. Our gears are found in varied industries—aerospace, medical, military, power tools, high-performance racing, high-end sporting goods, industrial and instrument applications.

INNOVATION

From crown hobbing (putting a crown on the flank of gears to compensate for misalignment and to reduce noise), to carbide re-hobbing to improve gear quality after heat treat distortion, FCG has been quick to adopt the latest technology to help our customers. Coupled with that dedication is investment in the latest inspection equipment for gear parameters so that we can help our customers deliver the absolute best product to their customers.

REVERSE ENGINEERING & TROUBLESHOOTING

While we are not in the gear design business, FCG has been instrumental in resolving many issues caused by poor execution of gear quality by other gear vendors to finding design flaws in customers' gear sets. FCG also provides reverse engineering services.

ONGOING COMMITMENT

From lean manufacturing efforts to bringing on board our next generation of leaders to guide our company in the future, Forest City Gear is forging ahead to continue to offer you...

EXCELLENCE WITHOUT EXCEPTION



A BRIEF HISTORY

Forest City Gear was started in early 1955 by Stetler and Evelyn Young. Stetler began making gears during World War II in Chicago and later became president of Rynel Gear Corp. in Sterling, Illinois, which dissolved in 1954, and the following year Forest City Gear was founded in Rockford, Illinois. Their son Fred Young was exposed to gears at an early age, and today he continues to own and operate Forest City Gear in Roscoe, Illinois, along with wife Wendy, his daughters and son-in-law.

REINVESTMENT

Since our initial purchase in 1980 of a Koeper hobber, we have continually reinvested 25% - 40% of our gross revenue per year in new equipment. We have added inspection and secondary equipment, as well as a variety of gear machines for hobbing, shaping and gear grinding.



The Gleason Gear School regularly visits Forest City Gear where they do Q&A sessions with Fred Young and take tours of the plant.



Gear school attendees who visit Forest City Gear are given full tours of our plant and spend time in each department. Above attendees view some of our display pieces in the front lobby.

