



# Precision Gears



An industry leader in high precision rotary tooling, RotoMetrics has been manufacturing world-class quality gears and gear boxes for over 50 years. Now we're proud to offer a variety of precision gears, as well as gear box design, assembly and repair services, to industries beyond printing and converting. As a member of the American Gear Manufacturers Association (AGMA) and certified to ISO 9001:2000 standards, RotoMetrics is committed to being your full-service gear supplier, providing the quality you expect and the delivery times you need.

## Gear Types

- Ground – 9.645" (245 mm) maximum O.D. / 28 DP - 8 DP / AGMA Class 11
- Helical – 14" (355 mm) maximum O.D. / 50 DP fine pitch - 4 DP
- Spur – 14" (355 mm) maximum O.D. / 50 DP fine pitch - 4 DP
- Plastic

## Capabilities and Equipment

- Ground gears are manufactured to AGMA Class 11 using a state-of-the-art **Gleason 245TWG high-speed CNC threaded wheel grinder**, providing the utmost consistency and hard finishing with significantly shorter turnaround times versus conventional CNC grinding
- Various grinding processes include: CNC cylindrical grinding (10.5" diameter x 59"), surface grinding (20" x 40"), rotary grinding to 36" diameter
- Global gear manufacturing in US (2 sites), UK and Australia: Full Service Gear Making Capability, FEA/CAD/CAM engineering support, Imperial and metric gearing
- Mori Seiki CNC lathe (17.7" diameter x 51")
- CNC vertical mills, 3 and 4 axis: Haas VF8 40 tool (X 40" x Y 20" x Z 28"), Haas VF4 Super speed - 40 tool, Haas VF3 20 tool
- In-house heat treatment capabilities: induction heat treating (to 10.5" diameter), ferritic nitro-carburizing (to 12.0" diameter), fluidized bed heat treating (to 14.0" diameter), vacuum heat treating (to 18.25" diameter)
- External preferred supplier heat treatment (24/48 hour delivery with aerospace capability)
- Sunnen Automatic Hone EC-3500 (6" stroke) and Sunnen Cylinder King Hone (9" hone)
- In-house hob sharpening, broaching, gun drilling, laser marking and black oxide surface coating
- Class-leading ERP systems, safehouse disaster recovery, emergency electricity generators
- CNC gear inspection to 13.78" diameter
- Keyway cutting (1.25" wide)
- High precision environment (HVAC)

For more information about RotoMetrics Gears, please contact a RotoMetrics sales representative.

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