



FEATURED EQUIPMENT

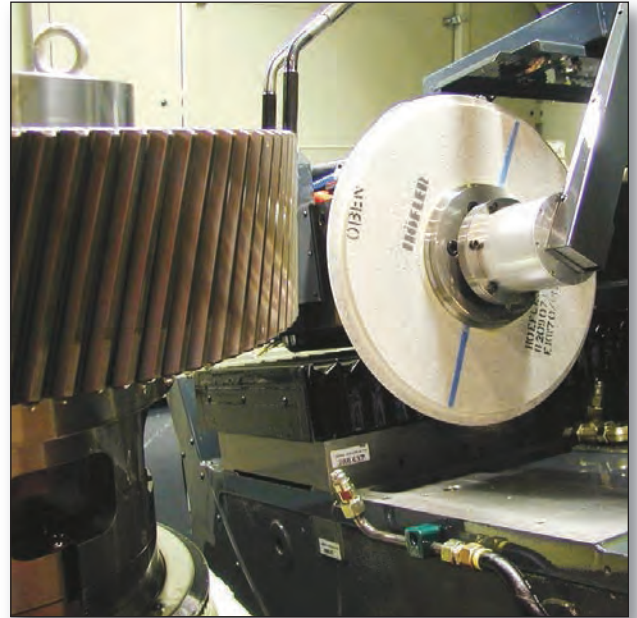
CNC GEAR GRINDING CAPABILITIES

Raycar owns three newer CNC Gear Grinders giving us the capacity to grind practically any tooth profile including crown, taper, tip relief, and just about any imaginable modification. We consistently achieve and often exceed AGMA class 12 quality gears and provide customers with gear charts.

HOFLER HELIX 400 FULL AXIS CNC GEAR GRINDER

HOFLER HELIX 400KK FULL AXIS CNC GEAR GRINDER
ALLOWS US TO USE 2 INCH DIAMETER GRINDING WHEELS FOR CLOSER, SMALL SHAFT WORK

HOFLER HELIX 700 CNC FULL AXIS GEAR GRINDER
WITH CAPABILITIES TO GRIND UP TO 27.8 INCHES IN DIAMETER



CNC GEAR HOBBING CAPABILITIES

Our modern CNC production hobbing machines include unlimited crown hobbing, accurate hobbing between centers, gash milling, and the ability to hob two different gear profiles using a single setup.

MITSUBISHI GD50 CNC HOBBING MACHINE
UP TO 20 INCHES IN DIAMETER

MITSUBISHI GD30 CNC HOBBING MACHINE

CNC GEAR SHAPING CAPABILITIES

Raycar has dramatically shortened changeover time with the addition of a CNC shaper with a maximum external diameter of 15.75 inches and a maximum internal diameter of 9.84 inches.

MITSUBISHI ST40 CNC GEAR SHAPER
OFFERING INTERNAL AND EXTERNAL HELICAL CUTTING



EQUIPMENT LIST

GEAR EQUIPMENT

- 1) Hofler Helix 400KK CNC Gear Grinder
- 1) Hofler Helix 400 CNC Gear Grinder
- 1) Hofler Helix 700 CNC Gear Grinder
- 1) Mitsubishi GD50 CNC Hobber
- 1) Mitsubishi GD30 CNC Hobber
- 1) Mitsubishi ST40 CNC Gear Shaper
- 2) Fellows Gear Shapers
- 1) N.C. Hobber
- 1) Cross Tooth Rounder/Pointer
- 1) Manual Keyway Shaper
- 1) Production Type Davis Keyseater
- 1) Hob Sharpener
- 1) Mitsubishi Wire EDM with Gear Software

SUPPORTING EQUIPMENT

- 3) Daewoo PUMA CNC Lathes - Long Bed of Approximately 50 Inches
- 1) Mazak QTN400-II Horizontal CNC Lathe
- 1) Manual Lathe
- 2) Haas VF-2 & VF-3 CNC Machining Centers
- 2) Bridgeport Type Mills
- 1) Heald I.D. Grinders
- 1) Toyoda CNC O.D. Grinder
- 1) DoAll Cut-Off Saw
- 2) Chamfermatic Deburring Machines
- 1) Martronic 3000 BenchDot 150-150EZA Range

INSPECTION EQUIPMENT

CHARTING EQUIPMENT

- 1) Gleason Sigma 7 Gear Analyzer
- 1) Hofler 400 mm Analytical Gear Analyzer
- 1) Brown & Sharpe Coordinate Measuring Machine

ADDITIONAL INSPECTION SERVICES

- Brown & Sharpe Coordinate Measuring Machine
- Calibrated Inspection Equipment
- Nitral Etching Available
- Surface Roughness Testing Available



Raycar
GEAR & MACHINE CO.
Complete Gear Manufacturing

ISO 9001:2008 CERTIFIED

Raycar Gear & Machine Co.
6125 11th Street
Rockford, Illinois 61109

Phone: (815) 874-3948
Fax: (815) 874-3817
www.raycargear.com
sales@raycargear.com