PRECISION MACHINING AND GRINDING OF GEARS AND PERFORMANCE PARTS

AEROSPACE
Aerospace companies including helicopter OEMs have our parts and gears. These gears are made per the highest Aerospace AS 9100 Quality Standard.

MILITARY & DEFENSE
Our armed forces deserve the highest reliability and quality. Rave Gears uses the latest equipment to make these gears.

RACING
NASCAR® and other racing teams are the beneficiary of Rave Gears' innovative process of grinding from solid and isotropic REM finishing of ring gears and pinions.

OIL & GAS
Time is of critical importance for this industry and Rave Gears has consistently delivered parts in a quick and timely manner.

STUDER favoritCNC

KLINGELNBERG G60

MORI SEIKI NT5400

PRECISION MACHINING

SPRAL BEVEL GEARS

Spiral bevel gears
**Gear Grinding**

*Combined Maximum’s Must Be Reviewed

<table>
<thead>
<tr>
<th>Diameter (Max)</th>
<th>No. Teeth (Max)</th>
<th>Face Width (Max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.6”</td>
<td>200</td>
<td>4.0”</td>
</tr>
</tbody>
</table>

- Klingelnberg/Oerlikon G60 Spiral Bevel Gear Grinder, **2EA New!**
- Hofler Helix 400 Cylindrical Gear Grinder **New!**
- Gleason 450HG Spiral Bevel Gear Grinder **Newly Refurbished!**
- Klingelnberg/Oerlikon G20 Spiral Bevel Gear Grinder **Newly Refurbished!**

**Hobbing**

*Combined Maximum’s Must Be Reviewed

<table>
<thead>
<tr>
<th>Diameter (Max)</th>
<th>DP (Max)</th>
<th>Face Width (Max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16”</td>
<td>6</td>
<td>36”</td>
</tr>
</tbody>
</table>

- Pfauter PE300 CNC Hobber **Newly Refurbished!**
- Barber Colman 16-36 Hobber **Newly Refurbished!**

**Shaping (Internal and External)**

*Combined Maximum’s Must Be Reviewed

<table>
<thead>
<tr>
<th>Diameter (Max) ID or OD</th>
<th>DP (Max)</th>
<th>Face Width (Max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10”</td>
<td>48/96 – 2.5/5</td>
<td>4”</td>
</tr>
</tbody>
</table>

- Fellows Model 10-4 CNC Gear Shaper **Newly Refurbished!**

**CNC Milling & Turning Centers**

Sales 855-RAV-GEAR / sales@ravegears.com  WWW.RAVEGEARS.COM  425 Strempel St. Seguin, TX 78155
Dept. Maximum Capabilities
*Combined Maximum’s Must Be Reviewed

<table>
<thead>
<tr>
<th>Diameter (Max)</th>
<th>Length (Max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36.2”</td>
<td>75.6”</td>
</tr>
</tbody>
</table>

- **NLX2500SY Dual Spindle Mori Seiki New!**
  - Max Travels X-10.24”, Y-1.97”, Z-31.30”
  - Max Swing, 29.21”
  - Max Turning Diameter, 10.86”
- **NL3000Y Mori Seiki New!**
  - Max Swing, 28.35”
  - Max Turning Diameter, 16”
  - Max Turning Length, 50”
- **NTS400SZ – 9Axis Turning and Milling Center New!**
  - Max Travels X-40.9”, Y-10”, Z-76.4”
  - Max Swing 36.2”
  - Max Turning Diameter 36.2”
- **CNC MAZAK QTS 350 (2012 Model)**
  - Max Swing, 28.35”
  - Max Turning Diameter, 16”
  - Max Turning Length, 50”

**CNC Milling & Machining Centers (3-axis through 9-axis)**

**Dept. Maximum Capabilities**

<table>
<thead>
<tr>
<th>X Travel (Width)</th>
<th>Y Travel (Depth)</th>
<th>Z Travel (Height)</th>
</tr>
</thead>
<tbody>
<tr>
<td>41.3”</td>
<td>20.8”</td>
<td>76.4”</td>
</tr>
</tbody>
</table>

- **NTS400SZ – 9Axis Turning and Milling Center New!**
  - Travels, X-40.9”, Y-10”, Z-76.4”
- **Mori Seiki NVX5100 II /50 Taper New!**
  - Travels, X-41.34”, Y-20.87”, Z-20.08”
- **Haas VF-2SSYT Super-Speed Machining Center New!**
  - Travels, X-30.0”, Y-20.0”, Z-20.0”
- **Ganesh GMV-5 12” x 58” Mill with Auto-Feed New!**
  - Travels, X-35”, Y-15.75”, Z-17.7”

**Cylindrical ID/OD Grinding Equipment**

**Dept. Maximum Capabilities**

<table>
<thead>
<tr>
<th>Diameter (Max)</th>
<th>Length (Max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.7”</td>
<td>39”</td>
</tr>
</tbody>
</table>

- **CNC ID/OD Grinder Studer Favorit New!**
- **Junker All-Around B12i ID/OD Grinder New!**
  - Cylindrical ID/OD Grinding
  - Thread Grinding, Polygon Grinding
Wire EDM

Dept. Maximum Capabilities

*Resolution (in) (Absolute Scales) +/- .000002 (2 Millionths)
*Combined Maximum’s Must Be Reviewed

<table>
<thead>
<tr>
<th>X Travel (Width)</th>
<th>Y Travel (Depth)</th>
<th>Z Travel (Height)</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.6”</td>
<td>15.7”</td>
<td>12.2”</td>
</tr>
</tbody>
</table>

- Mitsubishi CNC EDM MV2400-R **New!**
  - Travels, X-23.6”, Y-15.7”, Z-12.2”
  - Wire Diameter 0.004 - 0.012” (0.010 Std.)

Special Processes

- Super Finishing “REM” **New!**
  - Surface Finishes down to 1-2 Ra
- Dot Peen Marking **New!**
- Laser Marking **New!**
- Reverse Engineering and Surfacing Scan Inspection

Testing and Inspection

- P65 Gear Analyzer with KIMOS/KOMET Closed Loop Engineering Software **New!**
- Zeiss 12-18-10 (Gleason Software, GearPro Bevel/Involute and Calypso) **New!**
- FARO 3D Inspection Arm 6’ X 6’ x 6’ **New!**
- MagWerks PSAH-545 54” Magnetic Inspection **New!**
- Starrett HB-400 Optical Comparator
- J & L Classic 14T Optical Comparator
- Gleason 523 Gear and Load Tester
- Gleason #14 Gear Tester
- Gleason #17A Gear Tester
- Nital Etch Line **New!**