



Process Capabilities

I TURNING

- 1 **NC/CNC Lathes** - including Mori Seiki CL-25, SL-300 and LL 7B
 - a 3-jaw powered & 4-jaw manual chucks.
 - b Cylindrical, tapered, and spherical profile up to 40" OD and 82" between centers.
- 2 **Vertical Lathes** - Maximum turning diameter of 102" x 79" Z-axis travel.
- 3 **Manual Lathes**
 - a 38" swing over ways and 23" over cross slides.
 - b 144" between centers.

II MILLING & DRILLING

- 1 **Horizontal Machining Centers** - including Daewoo DHP5000, Matsuura ES-450H
 - a 3-axis & 4-axis NC capabilities.
 - b Work envelopes from 40x37x15 & 53x38x28 to 89x69x36 & 96x72x20.
- 2 **Vertical Machining Center** - Fadal VMC4020
 - a 4-axis CNC with 40x20x28 work envelope.
 - b Pallet changer

III GEAR

- 1 **Hobbing** - External spline up to 15" diameter.
- 2 **Shaping** - External spur or helix gear up to 40" diameter & up to 12" face width.

IV GRINDING

Blanchard Grinding - Surface grinding to within .002 on 60 inch table x 48".

V HEAT TREAT

- 1 Solution Treatment for Aluminum
- 2 Normalizing & Hardening
- 3 Carburizing & Carbon Nitriding

VI OTHER CAPABILITIES

- 1 Coordinate Measuring Machine with 80x42x40 Work Envelope
- 2 Welding & Fabrication
- 3 Assembly