



Machining

Double-Column

- Okuma mcr-a5c, 11' x 27'; max table capacity 98" x 307" and 77,000 pounds

Five-Axis

- Mazak Variaxis 500-5x II
- Mazak Variaxis 630-5x II
- Anderson Mass 5; 12' x 26' x 3.9' Working Envelope

Vertical Machining Centers

- HAAS VF-11
 - Mazak MTV-655 / 50 N
 - Mazak VTC250D / 50
 - Mazak VCN 410B
 - Two - Mazak VCN 510C II (pallet changer)
 - Two - HAAS VF-1
 - Two - HAAS VF-3
 - Haas VF-9 Vertical Machining Center
 - VTEC 20' x 15' x 7' Vertical Bridge Mill
 - Onsrud - Vacuum Table - 15' x 35'
 - Onsrud Vacuum Table 10' x 20'
- ## Horizontal Machining Centers
- Makino A-92 (pallet charger)
 - Makino A-51 (pallet changer)
 - Mitsubishi M-HT 11
 - Parpas Dinamika Horizontal Boring Mill
 - X- 355", Y- 122", Z- 63"
 - G&L 6' x 8' x 20' Horizontal Mill

CNC Turning

- Mori Seid NL-2500 SY
- Mori Seid CL-25
- HAAS SL-2D (tallstock)
- HAAS SL-2D (bar feeder)
- HAAS HL-2 (tallstock)
- HAAS HL-2

Manual Machinery

- Three - Bridgeport vertical mills
- K&T vertical mill
- Browne & Sharpe horizontal mill
- Track Torch

V-Tec



Parpas



Anderson





Machining

Capabilities

- 26 computer numerical control (CNC) machines
- 30 highly skilled machinists
- 10' x 26' and 13' x 20' double column gantry mills
- Two large router machines up to 15' x 35' table with 5-axis capabilities
- Two Mazak Variaxis 500 and 630 two pallet 5-axis vertical machining centers
- Zeiss Contura G2 RDS 100 / 1600 / 600 CMM inspection
- 14 CNC vertical mills
- Two 60" CNC horizontal pallet changing mills
- Two additional CNC horizontal boring mill
- 0.001" tolerances on milling operations
- Machined armor grades AR 500, 46100, and 12560

Onsrud 3-Axis



Okuma



Onsrud 5-Axis



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