

# **CLARK MANUFACTURING COMPANY** **EQUIPMENT LIST**

## **Multi-Tasking CNC Machinery**

Six Mazak Variaxis 5X CNC Machining Centers

- 5<sup>th</sup> axis capability, 150 degree tilting axis, 360 degree rotary axis
- Four 50 taper, 20"x25" table, 29"x33"x22" travel
- Two 40 taper, 16"x20" table, 20"x20"x18" travel

Twelve Mazak Quickturn Nexus Live-tool Lathes- five 350-IIM's, two 400-IIM's, three 250M's, one 200M, and one 100M

- Live tooling for milling capability
- Up to 15" chuck with up to 46" between centers
- 100M equipped with barfeeder (1-5/8"max dia) and twin spindles

## **CNC Mill Department**

One Mazak FH-8800 Horizontal Machining Center

- 4<sup>th</sup> axis with a 360° rotary table
- 50 taper, 32"x32" table, 25"x43"x39" travel

One Mazak HCN-6800 Horizontal Machining Center

- 4<sup>th</sup> axis with a 360 degree rotary table
- 50 taper, 25"x25" table, 41"x35"x38" travel

One Mazak HCN-6000 Horizontal Machining Center

- 4<sup>th</sup> axis with a 360 degree rotary table
- 50 taper, 20"x20" table, 31"x31"x31" travel

One Mazak HCN-4000 Horizontal Machining Center

- 4<sup>th</sup> axis with a 360 degree rotary table
- 40 taper, 16"x16" table, 22"x26"x26" travel

Two Mazak MTV 815/80 Vertical Machining Center

- 50 taper
- 88"x32" table, 80"x30"x32" travel

Two Mazak AJV-25/405 Vertical Machining Centers

- 50 taper, one with 4<sup>th</sup> axis capability
- 49"x22" table, 40"x20"x18" travel

Two Mazak VTC-250/50D Vertical Machining Center

- 50 taper
- 83"x25" table, 69"x25"x26" travel

Three Mazak VTC-200/50 Vertical Machining Centers

- 50 taper
- 57"x20" table, 44"x20"x23" travel

One Mazak FJV-250 Vertical Machining Center

- 40 taper
- 47"x22" table, 40"x20"x18" travel

Two Mazak Nexus 510C Vertical Machining Centers

- One 40 taper, one 50 taper
- 51"x22" table, 41"x20"x21" travel

### **CNC Lathe Department**

One Mazak M-5 x 2000 CNC Flatbed Lathe

- 20" chuck, 13" steady rest
- 82" between centers

One Mazak Quickturn Nexus 350 Lathe

- 12" chuck
- 39" between centers

Three Mazak Quickturn Lathes- one 25L, one Nexus 300, and one Smart 300

- 10" chucks
- up to 48" between centers

Two Mazak Quickturn Nexus 200 Lathes

- 8" chucks
- up to 18" between centers

Two Mazak Quickturn Lathes- one 8N, and one Nexus 100

- 6" chucks with 1-9/16" max dia bar feeders
- up to 17" between centers

### **Grind Department**

Two Kellenberger 1000U OD-ID Grinders

- up to 12" diameter capacity

Three Okamoto Surface Grinders

- up to 20"x48" tables, Z-axis up to 28"

### **Quality Assurance Department**

Two Brown and Sharpe DCC Coordinate Measuring Machines

- 28"x40"x28" work area

Two Optical Comparators- Starrett HE400-4 and OGP OQ-20

- 10x, 20x, and 50x magnification available

Nearly 3000 Measurement Tools and Gages

- all calibrated to NIST standards

### **Saw Department and Support Equipment**

Two Hyd-Mech H22SV Band Saw, 24" capacity with auto bar feed

Two Hem Pneumatic Band Saws- H90A-B/F and H105-LA

- up to 22" capacity with auto bar feed

One Marvel Vertical Band Saw

One Brother TC-229 CNC Drill and Tapping Center

- 30 taper
- 24"x12" table, 19"x14"x10" travel

Seven Haas Programmable Rotary Tables

One Bridgeport Vertical Mill with DRO

LaBlonde Engine Lathe, 15"x48"

Cobalt Dominator Laser Marking System