



Manual Lathes

9 Engine Lathes up to Ø56" x 240" Long.
Metric & inch threading.

Manual Milling Machines

7 Milling Machines 16" x 50" x 14"

#40 & #50 Spindle Tapers

Horizontal Boring Mill

G&L 4" Boring Mill 60" x 60" x 84"

#50 Spindle Taper, 3 axis DRO

(much larger pieces can fit onto the table)

Grinding

Surface Grinder 16" x 28" x 14"

Universal Cylindrical Grinding Ø12"x 60" long
with internal grinding attachment.

Rotary Surface Grinding Ø24" x 8"

Horizontal Cylinder Grinder Ø24" ID

Drill Grinder / Split Pointing up to Ø3"

Keyways & Slotting

Colonial 36" 6 Ton Broaching

Inch & Metric keyway broaching
up to 1.25" & 32mm

Slotting **12.5"** long x **4"** wide

Design & CAM Software

Solidworks 2018

GibssCAM 2016

Welding Equipment

Various MIG, TIG, Stick welding machines

Can weld most steel alloys, 304 & 316 SS

Ductile / Cast iron, Aluminum Alloys

Rotary Weld positioners

4 Belt Sanders

Bandsaw

Hydmech H22A - 22" x 22" Capacity

Fully Automatic & programmable

Material's Machined

All types of carbon & alloy steel

All types of stainless steel, including heat treated

All Aluminium Alloys, Non Ferrous brass & bronzes

Tool Steels, Plastics including PTFE, Nylon, UHMW

Delrin & Phenolic.

CNC Milling

Kitamura HX400 Horizontal Machining Center
13,000 RPM, 26" x 24"x 22" High Speed Machining

Doosan Vertical Mill 750II Vertical Machining

Center 12,000 RPM, 64" x 30" x 30" High Sped Machining

CNC Lathes

Doosan Puma 700LM CNC Turning Center

60 HP Spindle, 15 HP Live Tooling

Swing Ø 41" x 126" long, Ø 6.3" Spindle Bore

Ø24" Hydraulic Chuck / 14" capacity steady rest

Doosan Puma 4100LMB CNC Turing Center

50 HP Spindle, 15HP Live Tooling, Swing Ø31" x 82"

Ø4.6" Spindle bore, Ø18" Hydraulic Chuck, Steady rest.

Jinn Fa JCL60A, 3500 RPM 20 HP

Max Swing Ø20" x 20" long, Ø 2.4" Spindle Bore

Hitachi HT20, 5000 RPM 15HP, Max Swing Ø15"

Gear Shapers

2 - Fellows 36-6 Gear Shapers 36" Internal 40" external
6" face, with cutter elevator.

2 - Fellows 6A Gear Shapers internal / external
gear & splines up to Ø18" x 5" face.

Sykes V10A internal & external gears & Splines
Ø10" x 2.5" face

Fellows 4AGS Automatic Gear Shaper

Gear Hobbing

Gould & Eberhardt 12,24 & 36 Gear / Spline cutting

Up to Ø40" - 2DP or 12 MOD, Helical & Spur

Quality Control

48" x 48" Granite Surface Table

Outside Micrometer's 0-48"

Inside Micrometer's 2-40"

Digital Calipers 0-60"

Thread Micrometer's 0-6"

Various Flange, Groove, Blade micrometers

Bore Micrometers 0.125-8.000

Gauge Blocks (certified)

Heat Treatment

We handle all heat treating requirements as required.

Hydraulic Press

100 Ton Vertical Press

Sand Blasting 36" x 24"