



PETTEY MACHINE WORKS INC.
16 N. SENECA DR
TRINITY AL 35673
256-355-0085

EQUIPMENT LIST 2019

WATERJET

- 1 FLOW Mach 200
2D/3D Programming
Multi-axis, taper compensation cutting up to 60 Degrees
Capable to cut up to 8" Thick
Table 6 1/2' X 13'

VERTICAL MACHINING CENTER:

- 2 Fadal 40-20 H.T. With 4th axis, (table size is 20" x 48")
Horsepower 15
spindle speed 40-10,000 rpm
number of tools 21
 - 2 Fadal H.T.
Horsepower 15
Table size 30" x 60"
Spindle speed 40-10,000 RPM
Coolant through spindle
Number of tools 21
 - 1 Fadal 30-16
Horsepower 15
Table size 16" x 30"
Spindle speed 40-10,000 RPM
Number of tools 21
- Milltronic RH-33
Horsepower 35
Travels 78" x 33" x 28"
M-400 4th Axis
Spindle speed 8000RPM
Coolant through spindle

Number of tools 24

HORIZONTAL BORING MILL

- 1 Supermill Table Type horizontal
Boring Mill
Spindle Diameter 4.33"
Taper in spindle # 50
Vertical travel of headstock 60"
Cross travel of table 78"
Saddle travel with supports 50"
Saddle travel without supports 64"
Spindle travel 33"
Max distance spindle to tail stock 97"
Spindle speed 7-1000 RPM

HORIZONTAL BORING MILL (CONTINUED)

Table size (built in rotary) 48" x 60"
Table rotation speed .007- 4 RPM
Feed .0012-.500 1 PR
Threading 2-96 TPI (.25-.12mm)
21-1/2" dia built in continuous feed
Facing head
Right angle head with 23" reach
4 axis digital read outs

- 1 Wotan table type horizontal
Boring mill 4"
Taper in spindle #50
Vertical travel of headstock 60"
Cross travel of table 60"
Spindle speed
Table size 44" x 55"
Table rotation
4 Axis digital readouts

TOSHIBA CNC HORIZONTAL

- 1 Boring mill 4.3 Model BTD-11
Taper in spindle #50
Z vertical travel of headstock 60"
X Cross travel of table 60"
Z In & Out travel of table 62"
W Spindle travel
Table size 55" x 63"
Table rotation programmable

CNC LATHES

1 Amera-Seiki Serial # 78360
TC 2LS
Swing over bed 15.75"
Max diameter turned 8.66"
Between centers 12"
Spindle Hole 2.56"
Chuck size 8"
8 Tool turret
Sub-spindle tail stock
Spindle speed 450c RPS
Parts Catcher
Controls Fanuc otc

1 Yam CK5 Serial # F87010
Swing over bed 23.60"
CNC LATHES (CONTINUED)

Yam CK5 (Continued)

Max diameter turned 16.1"
Between centers 36"
Spindle Hole 3.6"
Spindle speed 25-2500 RPM
12 tool turret
Chuck size 12"
Fanuc otc controls
Tailstock with programmable quill

1 Yang ML55A Serial # K10027
Swing over bed 28.35"
Max diameter turned 17.52"
Between centers 43.25"
Spindle hole 5"
Spindle speed 2000 RPM
Spindle motor 50 HP
8 tool turret
Chuck size 15"
Fanuc otc controls

1 Yam CK3A Serial # 090053
Swing over bed 25"
Max diameter turned 15"
Between centers 36"
Spindle hole 3"
Chuck size 12"
8 tool turret
Fanuc otc control
Tail stock

- 1 Mazak 18MS-Y Serial # 115851
 - Max Swing 21"
 - Max diameter turning 12"
 - Spindle hole 2-1/2"
 - Spindle speed 5000 RPM
 - Spindle speed live tooling 3000 RPM
 - Spindle motor 25 HP
 - Chuck size 10"
 - Sub-spindle tailstock
 - Parts Catcher
 - Mazatrol

- 2 Avera-Seiki TC4H
 - Serial # 79176
 - Serial # 79155
 - Avera-Seiki TC4H(Continued)

 - Swing over Bed 20"
 - Max diameter turned 13"
 - Between centers 24"
 - Spindle hole 3"
 - Spindle motor 40 HP
 - 12 tool turret
 - Chuck size 12"
 - Fanuc otc control

- 1 Summit Cap bed CNC Lathe Serial # 15002
 - Swing over bed 42"
 - Swing over Gap 52"
 - Length of Gap 18"
 - Swing over cross slide 25"
 - Chuck size 32" 4 Jaw
 - Spindle bore 6.1"
 - Bed between centers 120"

- 1 Trak 1840SK CNC
 - Swing over bed 18-1/2"
 - Between centers 40-1/4"
 - Swing over cross slide 9"
 - Spindle hole 2.36"
 - Spindle speed 80-2500 RPM
 - Tail stock #4

- 1 Bridgeport EZ Path 18" x 18" CNC Lathe Serial # 02-085229-363
 - Swing over bed 18"
 - Between centers 48"
 - Spindle hole 2"
 - Tail stock

1 Romi 17 Serial # 002-085376-403
CNC Lathe
Swing over bed
Between Centers
Spindle Hole
Chuck size
8 tool turret
Tailstock

2 Bridgeport EZ path 20"
CNC Lathe
Swing over bed 20"
Between Centers 60"
Spindle Hole 2-1/2"
Chuck size 12" 4 Jaw
Tailstock #4

CNC LATHES(CONTINUED)

1 Romi M680 M27 CNC
Swing 27"
Between centers 120"
Spindle hole 4"
Chuck size 20" 4 Jaw

Surface Grinders:

1 Kent
Size: 12" x 24"

1 Thompson
Size: 18" x 40"

1 Mattison- Rotary
Size: 48"

1 18" Belt surface grinder storm Vulcan

Honing Machines:

1 Hone, Superior Model HM

Tool & Cutter Grinders:

1 K.O. Lee

1 Kao Ming

Miscellaneous Grinders:

- 1 Disc Grinder, 9"
- 1 Belt Sander, 1" x 42"
- 1 Belt Sander, 2" x 72" Lathe Mounted
- 1 Pedestal Grinder, 6"
- 1 Pedestal Grinder, 8"
- 1 Pedestal Grinder, 6" Carbide
- 1 Drill Sharpener, J & A
- 1 Drill Sharpener, Darex
- 2 Buffing Machines, Shop-Made
- 1 Accu-Finish Carbide Tool Grinder

Lathes:

- 1 Harding 9" speed lathes
- 1 Harding 10" x 20"
- 1 Mazak 14" x 24"

CONVENTIONAL / MANUAL EQUIPMENT (CONTINUED)

Lathes (continued)

- 1 Colchester
 - Swing: 15"
 - Between centers: 48"
 - Three and Four- Jas chucks
 - Steady rest
- 1 Select 16" x 48"
- 1 Monarch 16" x 48"
- 1 Colchester
 - Swing: 17"
 - Between Centers: 48"
 - Three and four-Jaw chucks
 - Taper attachment
- 2 Colchester
 - Swing: 17"
 - Between centers: 48"
 - Three and Four-Jaw chucks
 - Steady rest
- 1 Colchester
 - Swing: 17"
 - Between Centers: 100"
 - Three and Four-Jaw chucks
 - Steady rest
- 1 Vanguard 18" x 60"
- 1 Kingston Gap-Bed
 - Swing: 17"/24"
 - Between Centers: 67"
 - Three and Four-Jaw chuck
 - Steady rest
- 1 Colchester

Swing: 21"
Between Centers: 120"
Spindle Hole: 3-9/16" dia
Three and Four-Jaw chucks
Steady rest

1 Summit Gap-Bed
Swing: 21"/36"
Between Centers: 3-9/16" dia
Three and Four-Jaw Chuck
Steady Rest

1 American Pacemaker
Swing: 24"
Between centers: 120"
21" Four-Jaw Chuck
Steady rest
Taper Attachment

CONVENTIONAL / MANUAL EQUIPMENT (CONTINUED)

1 LaBlond
Swing: 32"
Between Centers: 40 feet
Max swing over bed: 35-1/2"
Two Carriages
Taper Attachment
Steady Rest
30" Four- Jaw chuck

1 Kingston Gap-Bed
Swing: 34"/40"
Between centers: 120"
Spindle hole: 4-1/16" dia
Three and Four-Jaw chuck
Steady rest / Follow rest

1 American
Swing: 36"
Between Centers: 80"
Max swing over Bed: 39"
Max swing over cross slide: 26"
36" Four-Jaw Chuck

2 Turret Lathes, Vertical, Bullard
Swing 36"

1 Turret Lathe, Vertical, Bullard
Swing: 54"

The above lathes are equipped to cut American or Metric threads.

Jig Boring Machines:

1 Bratt & Whitney, #2A

Drill Presses

- 3 Standard, 15"
- 1 Standard, 20"
- 1 Radial, 12" Column, 48" Arm
- 1 Micro, Servo Sensitive
 - Chuck Capacity: .0135" to .125
 - Continuously Variable speed up to 12,000 RPM

Saws:

- 1 Band Saw, 12" Craftsman
- 1 Band Saw, 16", DoAll
- 1 Band Saw, Roll-In
- 1 Cut-off Saw: Ellis 10" x 12"
- 1 Abrasive Cut-Off Saw, 20"
- 1 Table Saw

CONVENTIONAL / MANUALL EQUIPMENT(CONTINUED)

- 1 Hand Saw
- 1 Fully Automatic 18" Knuth
- 1 Peerless 18" x 18"

Turret Milling Machines:

- 3 Bridgeport J-2
- 2 Lagun, with digital read-out
- 1 Bridgeport Series 2
- 1 Millport
- 1 Bridgeport EZ Trak

Horizontal Milling Machines:

- 1 Cincinnati #5
- 1 Cincinnati #3
- 1 Cincinnati #2

Shapers & Slotters:

- 1 Shaper, Kelly, 20"
- 1 Slotter, Bridgeport
- 1 Morrison Key Seater

Cylindrical Grinders:

- 1 Universal, Brown & Sharpe
 - Swing: 10"
 - Between Centers: 24"
- 1 Universal, SMTW
 - Swing: 10"

- Between Centers: 24"
- I.D. Grinding Attachment
- 1 Universal, Norton
- Swing: 16"
- Between Centers: 72"
- 1 Universal, SMTW
- Swing: 20"
- Between Centers: 80"
- I.D. Grinding Attachment
- 2 Tool Post Grinders, Dumore
- 1 Centerless Grinder, Cincinnati #2

Welders:

- 2 Band Saw Blade Welder
- CONVENTIONAL / MANUAL EQUIPMENT (CONTINUED)

Welders (continued)

- 1 Electric Arc Welder, 180 Amp AC
- 1 Deliarc Welder, Airco Heli-Welder
- Equipped with air-cooled and water-cooled heli-torches
- 1 MIG Welder Airco
- 1 Spot Welder, Dayton Portable
- 1 Template Burning Machine, Airco No. 42 Camograph
- 1 Oxy-acetylene torch
- 1 Iron Worker – Scotchman

Shears:

- 1 14 Gauge Sheet metal foot-operated shear, Niagara
- 1 11 Gage x 60" power shear

Brakes:

- 1 14 Gauge x 96" Hand Brake

Rollers:

- 1 20 Gauge x 48" hand roller machine, Wysong

Threading Machines:

- 1 Pipe Threading machine, Taledo 1"- 4"

Presses:

- 1 Arbor Press, 6 Ton, Drake

- 1 Punch Press, Rouselle Model OB
- 1 Hydraulic Press, 20 Ton
- 1 Hydraulic press, 75 Ton

Shotblasting / Sandblasting:

- 1 Blast Cleaning cabinet, Pangbor Type EN-6
- 1 Blast cleaning Machine, Clemco 300 lbs.

Metallizing:

We are equipped to do metal and ceramic coating of materials utilizing the Metco Flame-Spray (thermal) process.

Air Compressors:

- 1 Rotary Screw, 25 Horsepower, Sullair
- 1 Rotary Screw, 25 Horsepower, LeRoi
- 1 Rotary Screw, 25 Horsepower, Kellogg

Scales:

- 1 1000 lb Capacity, Fairbands-Morse

Inspection Equipment:

- 2 Granite Surface plates, 24" x 36"
- Lot Micrometers, 0-48"
- Lot Vernier Calipers, 0-48"
- 1 Rockwell Hardness Tester
- 1 Comparator, 14" J & L
- 1 Coordinate Measuring Machine, Brown & Sharpe Microval
- 1 Statistical Process Control Software
- Lot Assorted Thread, Plug and Bore Gages

CNC Programming CAD/CAM:

Esprit CAD / CAM
Bridgeport EZ CAD/CAM

Additional equipment is constantly being added to enable us to give our customers the best possible quality and service. Our facility currently consists of over 35,000 square feet.

Website: petteymachineworks.com

