

Facilities List for:

JeLuSS Manufacturing, Inc.

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Turning Equipment:

- Daewoo Puma 240MB CNC lathe with collet chuck, 8" 3-jaw chuck, and 10" 2-jaw chuck. Machine has 7.25" maximum machining diameter, and 20.1" linear travel. Equipped with CNC Enhancements Autobar 400 bar feed capable of feeding bars up to 2-1/2" in diameter. This machine has live milling and drilling capabilities.
- Daewoo Puma 200C CNC lathe with collet chuck and 8" 3-jaw chuck. Machine has 6.25" maximum machining diameter, and 16.8" linear travel. Equipped with CNC Enhancements Autobar 400 bar feed capable of feeding bars up to 2-1/2" in diameter.
- Warner & Swasey #2A turret lathe with 18" chuck, 21" maximum part diameter, and 36" of linear travel.
- Longem LG1760 engine lathe with 12.5" 3-jaw and 16" 4-jaw chucks and digital read out.
- We also have access to some larger CNC lathes that can turn up to 40" long and/or up to 16" diameter.

Milling, Drilling, and Tapping Equipment:

- Toyoda FA550 horizontal machining center with 29.5" x 29.5" x 23.6" work envelope capable of reaching four sides of a part and milling, drilling, tapping, boring, etc. This machine has one-degree pallet indexing and coolant through the spindle.
- (2) Toyoda FH55 horizontal machining centers with 28" x 28" x 21.5" work envelope capable of reaching four sides of a part and milling, drilling, tapping, boring, etc. These machines have one-degree pallet indexing and coolant through the spindle.
- Komo VMC 50/160 vertical machining center with 160" x 32" work envelope capable of milling, drilling, tapping, boring, etc. with coolant through the spindle.
- Toyoda BM1200 vertical machining center with 47.2" x 23.6" work envelope capable of milling, drilling, tapping, boring, etc. with coolant through the spindle.
- Pratt & Whitney Trimac X CNC vertical machining center with 40" X 20" work envelope capable of milling, drilling, tapping, boring, etc.
- DoAll GPM200V manual milling machine with 9" x 49" table and digital read out.
- Carlton model 1A radial arm drill with 4' arm and 11" column capable of drilling, tapping, reaming, etc.
- Acra model RF-46SF 20" drill press with power feed.
- Enco model 508vs 20" drill press.
- Procunier model 2 tapping head with collets to tap from #4 to 1/2" threads.

Sawing, Fabricating and Deburring Equipment:

- (2) DoAll model C260A horizontal band saws capable of cutting up to 10-1/4" X 12" with automatic feed.
- Unihydro model 42-14SLS iron worker with angle shearing capacity up to 3" X 3" X 3/8", flat shearing capacities to 3/8" X 14", 1/2" X 10" or 5/8" X 6". Also can punch up to 42 tons with a wide variety of rounds and slots available and can do some bending.
- Several drill presses for deburring.
- Several JMI model 3-48 pedestal type belt sanders used for deburring small parts.
- 14" chop saw.
- Enco parts washer.
- Diversi-Tech down draft table.

Tool and Cutter Sharpening Equipment:

- Oliver model 600 drill sharpener capable of sharpening drills from 1/2" to 3" at angles from 80 to 160 degrees.
- Oliver model PT drill point thinner capable of handling drills from 5/8" to 3".
- Optima drill sharpener capable of sharpening drills from .004" to 1" at angles from 90 to 140 degrees.
- K.O.Lee model B6000B tool and cutter grinder with motorized work head capable of sharpening reamers, counter-sinks, slitting saws, stagger tooth cutters, etc.

Balancing Equipment:

- Coats model M-76 micro-precision balancing machine

Inspection and Quality Assurance Equipment:

- Accupro Rockwell hardness tester.
- Kaiser Diaset D350 digital tool presetter.
- Mitutoyo 18" height gage
- 24" x 36" granite surface plate
- Internal thread plug gages from #4-40 to 3/4-10 and various larger sets.
- N.I.S.T traceable certified standards and gage blocks from 1" to 11".
- 83 pc. Grade B gage block set.
- Several dial calipers 6", 8" and 12".
- 36" vernier calipers.
- Starrett dial depth gage
- Outside micrometers from 0" to 12".
- Several bore gages from .400" to 6.0".
- Radius gages from 1/64" to 1/2" by 64ths.
- Screw pitch gages (SAE and Metric).
- Surface roughness gage.
- Westover model RHB-32 portable refractometer.

Material Handling and Misc. Support Equipment:

- MC Scrambler 8000# rough terrain forklift.
- JMI 5 ton bridge crane with 40 feet of travel and 20 feet of bridge width with Detroit 5 ton hoist.
- Yale model ESC030G4T077 2500# electric fork lift.
- Handling Systems 2 ton jib crane with 360 degree rotation, 12 feet of lift, and 20 feet of reach with a CM Loadstar 2 ton electric hoist.
- JMI 1 ton jib crane with 360 degree rotation, 10 feet of lift, and 18 feet of reach with Jet 1 ton electric hoist.
- Ingersol-Rand 5 hp, 2-stage air compressor with 120 gallon tank.
- Quincy 25 hp rotary screw air compressor with integrated Quincy refrigerated air dryer.
- Mattei 30 hp rotary vane air compressor with Van Air refrigerated air dryer.

Welding Equipment:

- Miller Deltaweld 450 with model S-54E wire feeder.
- Lincoln SP-100 wire feed welder.
- We also have access to other welding equipment that can weld stainless steel and aluminum.

We also do some small parts assembly. JeLuSS Mfg., Inc. is a woman-owned business and our facilities are climate controlled.

Other Services that are Available in our Area:

- Powder coating
- Prime painting
- Finish painting
- Zinc plating
- Plasma cutting
- Laser cutting
- Flame cutting
- Electrical Discharge Machine (EDM)
- Bending