

Allis-Roller, LLC

Machine List

Machining - machines arranged on our floor for optimal cellular flow

CNC Turning - 11 machines

- 1 - 2012 Fryer - 30" Turn Diameter - 115" Turn Length with SMW auto steady rest to 12"
- 1 - 2011 Samsung - 18" chuck 28" Diameter x 88.8" long with hydraulic steady rest
- 1 - 2011 Yama Seiki - 2.55" bar capacity, live tooling, prepped for bar feed work
- 1 - 2010 ToolMex Flatbed - 12" chuck capacity - 28" Dia x 117" Long steady & follower rests
- 1 - 2009 Kia SKT-400 - 3.5 thru bar capacity - live tooling - 15" chuck - capacity 25.0" dia x 47" long
- 1 - 2008 Yama Seiki GA 2600 - 2" bar capacity - 8" chuck - max turn 14" dia x 24" long
- 1 - 2007- Kia SKT 300 - 3.5" bar capacity - 12" chuck - max turn 22.0" dia x 28.0" long
- 1 - 2006 Kia SKT 25 - 3.0" bar capacity - 12" chuck - max turn 19.7" dia x 28.0" long
- 1 - 2005 Mori Seiki NL-3000 - 4" bar capacity - live tooling - 15" chuck - max turn 16.5" dia x 26.0" long
- 1 - 1997 Mori Seiki SL-200MC - 2" bar capacity - live tooling - 8" chuck - max turn 15.3" dia x 20.0" long
- 1 - 1996 Mori Seiki SL-300 - 2.9" bar capacity - 12" chuck - max turn 16.3" dia x 28.3" long
- 1 - Warner & Swasey 2SC-12 - 3" bar capacity - 12" chuck - max turn 16.0" dia x 19.0" long

CNC Milling - 4 machines

- 1 - 2010 Mazak 510C-II VMC 43.1 x 20.0 x 20.0 - 2 pallet shuttle table Cat 40 taper - 1.3 second tool to tool
- 1 - 2005 Mazak 510C VMC 43.1 x 20.0 x 20.0 - 2 pallet shuttle
- 1 - 1996 Mazak 16B VMC - 44" x 16" x 20.8" - Shuttle Table 35.4" x 16.1" - Cat 40 - 24 tool magazine
- 1 - 1995 Mazak V515 VMC 41.3" x 20.0" x 20.0" - 2 pallet shuttle table 51.1" x 21.6" - Cat 50 taper - 60 tool magazine

Grinding

- 1 - 1995 Toyoda CNC 30° head - 11.8" max dia. x 40.0" long - auto sizer.
- 1 - 1996 Toyoda CNC 90° head - 11.8" max dia. x 40.0" long - auto sizer

Hobbing

- 4 manual Barber-Coleman Hobbs - from 10-20 to 16-56

Fabrication - machines arranged on our floor for Lean Manufacturing of assemblies

Welding

- 2- 2008 Miller Auto Access welders
- Aluuminum TIG welding gun for above welder
- 11 - 2007 - 2009 Miller 450 series welders
- 3 welding lathes - dual chucks/collets - with steady rest centering supports
- Jetline - shaft & flange power weld head with chuck
- Robotic Sub Arc - Welding Lathe
- Various weld positioners

Drilling

- 2 double end tube drilling machine
- 6-spindle drill press

Straightening

2 tube/bar hydraulic straightening machines - max 200" table length & 3 pull positions

Turning

3 manual turret lathes - up to 5" thru spindle capacity

4 large manual lathes up to 20" dia. x 120" long

Broaching

Horizontal broach: Pioneer 15 ton x 60" stroke - rebuilt 2007

Balancing

3 dynamic balancing machines up to 24" dia. x 108" long

Assembly

Various hand, pneumatic and hydraulic presses

Rubber Roller processing

30 ton hydraulic horizontal press - 120" part capacity - 60" stroke

20 ton hydraulic horizontal press - 110" part capacity - 60" stroke

Manual lathe - 24" dia. x 120" long

Mechanically geared grooving machine

Quality

1 Starrett CMM - 25" x 25" x 22" - Renishaw probe - PC-DMIS

1 Wilson Hardness tester

1 Tesa M900 (36") programmable height stand

1 master 81 piece set ceramic Gage Block set - calibration only

3 steel Gage Block sets

3 Mitutoyo centers - up to 48" long

Various micrometers, calipers, indicators

Tool Room

1 manual lathe with thread making capability

2 manual Bridgeport mills w/DRO

Jig bore 14" x 20"

Tool & cutter grinding/sharpening equipment

Surface grinder - 6" x 16" magnet

Weld fab/fitup table 42" x 164"

Engineering

Solidworks 3D design software

Gibbs Cam programing software - lathe and mill

Mechanical desktop/AutoCad

MRP - Epicor-Vantage with EDI capability

Microsoft Office Suite

Adobe Acrobat Professional