

Buckeye Research & Mfg. Equipment List

Water Jet

Maxiem (Omax) 1530 — travels 49" X 114" X 3 1/4 high, 5-axis Ajet cutting head up to 60 deg angle w/ 50,000 psi 30 hp pump - New 2013

CNC Lathes

Okuma LB3000 "Big Bore" — 4200 max spindle speed, 10" chuck, 12-station turret, part size capacity 16" dia. X 40" long with conversational and NC programming capabilities - New 2013

Milltronics TL-14 Toolroom CNC Lathe — 3000 max spindle speed, 10" chuck, 5C Collet closer, 8-station turret, parts size capacity 7" X 29" long with conversational and NC programming capabilities – New 2008

Wire EDM

Sodick VL600Q Wire EDM — travels 23 5/8 X 15 3/4 X 10 5/8 high, Sodick LN-W controller, Ridig linear drives technology – New 2017

EDM Hole Popper

Sodick K1C hole driller — travels 7 7/8 X 11 13/16 X 11.13/16 high – New 2003

5-Axis CNC Mill

Hurco VMX 42SRTi — 5-axis swivel head w/ 24" rotary, travels 42" X 24" X 24" high, 12,000 rpm spindle – New 2017

3-Axis CNC Mills

Milltronics BR80 Gantry Mill — travels 80" X 150", 15,000 rpm spindle - New 2012

Milltronics VM16 8200 series controller — travels 16" X 30", 15,000 rpm spindle - New 2009

Milltronics VM16 8200 series controller — travels 16" X 30", 15,000 rpm spindle, 1000 psi thru coolant spindle - New 2015

Milltronics RW15 8200 series controller — travels 15" X 25" - New 2012

Milltronics RH30 open bed 7200 series controller — travels 30" X 60" - New 2008

Milltronics HMC35 horizontal 7200 series controller — travels Y-35" x X-52" x Z-25" 8000 rpm spindle - New 2006

2-Axis CNC Mills

Milltronics VK1 — w/ Centurion 7 controls 9 X 49 table - New 2008

Jig Grinder

Moore G18 — travels – 11 1/4 X 18 3/16 X 16" high - New 1977, Rebuilt 2011

Inspection

Romer 6-Axis CMM Arm, Model # RA7525 — with complete inspection & reverse engineering capabilities - New 2013

OGP 14" basic bench optical comparator - New 2000

Trimos 12" electronic height gage - New 2015

Trimos 24" electronic height gage - New 2015

Design Software

Solid Works Professional 2013 for design — Fixtures, Tooling, Detail, Reverse Engineering, Etc. (UPDATED YEARLY)

Programming Software

Edgecam 2013 — for 3-axis advanced milling Cad/Cam (UPDATED YEARLY)

Edgecam 2017 — for 5-axis advanced milling Cad/Cam (UPDATED YEARLY)

Surface Grinder

Reid 6 X 18 precision rollerway grinder — w/ .0001 digital readout, walker adjustable magnetic chuck and torrit dust collector - New 1995

Chevalier FSG-1632 AD — (16 X 32 travels) precision wet grinder w/ .0001 downfeed and adjustable magnetic chuck - New 1994

Saws

Dake/Johnson 16" vertical band saw - New 2004

Wellsaw 1316 swivel miter head horizontal band saw - New 2016

Welders

Lincoln Precision Tig 225 — w/ water cooled torch and arc welding attachments - New 2014

Lincoln 350 MP Power Mig welder — w/alum spool gun - New 2017

Plasma Cutter

Hypertherm Powermax 65 - New 2014

Surface Plate

Starret, Crystal Pink — 24" X 36" with stand

Rahn, Black — 36" X 60 with stand

Misc – Black — 30" X 36

Sheffield — 60" x 96" with stand - inspection Grade A

Belt Sander

Jet — 6" X 48" With Stand - New 2008

Dake — 2" X 48" With Stand - New 2005