



Workstation with Shelves: Custom built by Dr. SPM specifically to accommodate a chemical laboratory mini fridge/freezer, acid and flammables cabinets, a tool chest on wheels, the Air Science Horizontal Laminar flow hood, a heavy-duty vice, compressed air storage tank, electronically controlled desiccator, a lathe, and a milling machine. It was designed to make the most efficient use of space with the smallest possible footprint. To support the massive weight of the flow hood, mill, and lathe only pressure and weather treated 4x4" posts, 2x12" boards, and surface 2-sided 3/4" Birch plywood was used. The lab has a full array of wood and metal working hand tools and power tools.

Grizzly G0619 - 6" x 21" Mill / Drill: Mill has a tilting head, a multifunction digital scale on the quill, a quick reversing tapping feature, push button speed control and digital speed display. Dovetail column with elevation handwheel graduated in 0.0005", Over 14" of headstock movement, Dovetail column, Digital spindle scale reads metric or inches, zero set, ON/OFF, Head tilts 90°, Push-button variable speed, Digital speed display, Reversing buttons on the spider handles for tapping, Coolant trough, Front mounted fine feed knob, Push button motor control for forward, reverse, tapping, and off, Front-mounted E-stop button, See-through chip guard, Includes: 5/8" drill chuck & arbor, 2 T-nuts, 3 open end combo wrenches, 4 hex wrenches, Made in an ISO 9001 factory, Motor: 1 HP, 110V, single-phase, brushless DC, Spindle taper: R-8 • Spindle travel: 2-3/4", Swing: 18", Max. distance spindle to table: 14-3/4", Collars calibrated: 0.001", T-Slots: 3 @ 1-11/16" centers, 7/16" wide, Table size: 6-1/4" x 21-5/8", Table travel (longitudinal): 15-7/8", Table travel (cross): 5-3/4", Headstock travel: 14-7/8", Drilling capacity: 1", Quill diameter: 2.362", Variable speed: 100–1750 RPM.

Grizzly G4000 - 9" x 19" Bench Lathe: Full-featured 9" x 19" lathe, Swing over bed: 8-3/4", Swing over cross slide: 5", Distance between centers: 19", Spindle bore: 0.78" (20mm), Spindle nose taper: MT #3, Motor: 3/4 HP, 110V, single-phase, Number of spindle speeds: 6, Range of speeds: 130, 300, 400, 600, 1000, 2000 RPM, Leadscrew: 9/16"–16 TPI, Compound travel: 1-7/8", Cross slide travel: 4-1/4", Carriage travel: 16", Maximum tool size: 3/8", Tailstock quill travel: 1-9/16", Tailstock taper: MT#2, Number of longitudinal feeds: 4, Range of longitudinal feeds: 0.0047–0.012 IPR, Number of inch threads: 27, Range of inch threads: 8–56 TPI, Number of metric threads: 11, Range of metric threads: 0.5–3.0mm, Overall dimensions: 37" L x 20" W x 15" H, 4" 3-Jaw chuck with two sets of jaws, 7-1/4" 4-Jaw chuck with reversible jaws, Steady rest, Follow rest, MT #2 dead center, MT #3 dead center, MT #2 live center, 4-way tool post, Faceplate, Extra C-type tool post, Tool box & tool kit.