



## Machine Tool Technology Tool List

### Tools Needed on First Day of Class

1. Clear Safety Glasses Z-87 (\$5.27)
2. Safety Shoes (steel toe or composite toe) should not be low tops. Top should be covered by your pants. (\$150 – \$200)
3. 6" Steel Rule (\$4.00)
4. Lab Apron (\$10.00)
5. Black permanent marker (Pointed and Thick Tip) (\$3.00)
6. Small Tool Box (hand held no larger than 20" length X 10" wide X 12" height) (\$10.00)
7. Scientific Calculator (Texas Instruments TI30XA) (\$30.00)
8. Flashlight (\$10.00)
9. Screwdriver Set (#1, #2, slotted & Philips, 4 piece set) (\$10.00)
10. Hex Key Set (standard and metric) (\$15.00)
11. Retractable Scriber (\$12.00)

**Total = \$250 - \$350**

Tool needed by Week 5 – **do not purchase unless you know what you are purchasing.** We will discuss these tools in class to aid students in making wise purchasing decisions.

12. Center and Prick Punches (\$12.50)
13. 0-6 inch Dial Caliper (\$45.00)
14. Two dial indicators with a separate magnet stand base and mighty magnetic base (\$200.00)
15. File Set: Round, Half Round, Mill, Slim Taper, Flat - Fine Cut (\$100.00)
16. Hand Deburring Tool (\$70.00)
17. Screw Pitch Gage, Standard and Metric (\$30.00)
18. Thread Center Gage (Fish Tail) (60°) (\$11.00)
19. 12" Combination Square Set, (Square Head, Centering Head, Protractor Head) (\$175.00)
20. 0-3" micrometer set, 3 individual micrometers. (\$160.00)
21. 5 piece combination drill and countersink set (6 qty) (\$30.00)
22. 115 piece drill bit set step increment 1/64" ( \$150.00)
23. Edge Finder (\$15.00)
24. Shar Tool Carbide set (5/8 tool Holders set) Shar Sku # 404-2891 (\$200)
25. Endmill Cutting Tool set (MSC# [03052982](#)) or similar \$100

**Total = \$1000 - \$1400**