

## Recommended Machining Tools

The mechanical engineering department at SVSU tries to keep a well stocked machine shop. However, it is difficult to continually provide cutters and maintain certain types of layout devices. The following are a list of minimum tooling needed if you would like to get started machining your own projects using our lab. If you are taking the Manufacturing Processes and Systems course, all the tooling required to complete the course is provided. Also listed are Enco prices for these items. To order the recommended tools visit [www.use-enco.com](http://www.use-enco.com) and place your order. REMEMBER, YOU NEED TO RECEIVE TRAINING ON THE EQUIPMENT AND SAFETY PRACTICES BEFORE ATTEMPTING ANY PROJECT.

### Minimum recommended tools

- Machinist set of dial calipers and micrometers (Enco Model #505-1815 \$50.98)

#### *Milling Tools*

- 6 piece 4 flute cobalt end mills (Enco Model #321-9012 \$35.98)
- Edge finder (Enco Model #636-7016 \$3.95)
- Dial test indicator (Enco Model #327-3122 \$89.98)
- Dial test indicator holder (Enco Model #625-8522 \$13.24)

#### *Lathe Tools*

- #4 center drill (Enco Model #369-1851 \$5.68)
- Square shoulder right hand C6 brazed on carbide bit (Enco Model #383-0055 \$3.39)
- Square end C6 brazed on carbide bit (Enco Model #383-2045 \$3.39)

### Optional Items

- 4 piece combination square set (Enco Model #319-3684 \$111.98)
- Set of precision parallels (Enco Model #240-0325 \$99.98)