

## Tensile test experiment

### QUICK GUIDE

To select a sample:

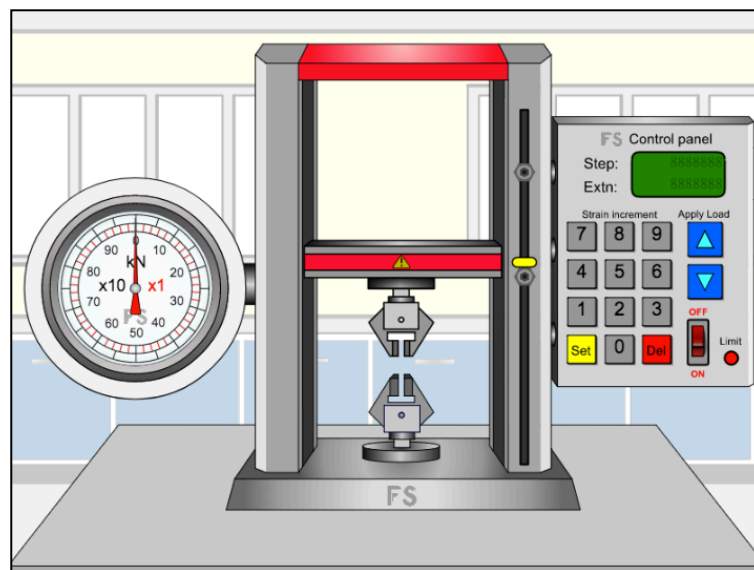
- Click the lower sample holder to go to the sample view.
- Open the calliper jaws, drag a sample of choice between the jaw and close the jaws around it.
- Use the Vernier scale to measure the sample width.
- Use the *Sample Width* textbox and *Check* button to verify measured width values.
- Use the *Reset* and *New* buttons to control the samples you are considering.
- Click the *Choose* button to load the sample in the callipers into the *tensile testing machine*.

To set the strain increment:

- Click the *Set* button (display starts to flash)
- Use the keypad and the *Del* button to enter the desired *Step* value
- Click the *Set* button again (display stops flashing)

To apply strain to samples:

- Set the strain increment value as described above.
- Click the up arrow to increase the applied strain by the *Step* increment value.
  - Click the down arrow to decrease the applied strain by the *Step* increment value.
- Measure (and record) the applied load (force) using the needles on the *Load dial*.
- Turn off the *strain control unit* and click on the lower sample holder to select a new sample.



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