

Students,

Now that you are all well on your way to constructing your working prototypes, I'm sure you are beginning to find out what kinds of part/pieces you will need to create or machine. I've received a few questions regarding the availability of the Techno cells in B19, so here are the answers to a few of the more commonly asked questions.

(Q) Can we purchase materials/plastics from the department, use the scraps in B19, or do we need to order everything through MSC or McMaster-Carr?

(A) The department does not have any materials to sell, so everything must be purchased from an outside supplier. If you have similar needs to other group(s), consider purchasing materials together and splitting costs. Also, any scrap material left on the table by the two smaller Techno cells is fair game, so if you can find a piece of scrap large enough to suit your needs, by all means, use it.

(Q) Do we need to purchase our own bits for the Techno cells?

(A) Each group is being provided with a total of (4) bits: (2) 1/4" and (2) 1/8" end mills. I have passed out bits to most groups already, so if you have not received your them, please see me (Jason Mayes). If you need a larger sized bit, or a different end profile, you are welcome to purchase it on your own. Lowes and Home Depot both have a large selection of bits, just be sure to purchase bits with a 1/4" shank.

(Q) Can we use the small Techno workcells in B19 unsupervised, or do we need to notify a TA first?

(A) No, you do not need to notify a TA. The two smaller machines are available for your use whenever you need them and logins/passwords have been emailed out to the CNC reps for each group so that you have access to the Techno interface. There is a red tool box located near the small Techno tables that contains all of the wrenches, clamps, bolts, t-nuts, ect. for the Techno cells. This box will be left out for the remainder of the semester on the condition that clamps, wrenches, bolts, t-nuts, ect. are returned to the tool box after use. If the supplies begin to disappear or are left all over the lab, then the tool box will be locked in the cabinets.

(Q) Can we use the large CNC cell?

(A) If the small cells are too small to machine a part, the large CNC machine can be used. However, machining on the large cell must be ok'd and supervised by a TA. Contact either Jason Mayes or Jason Nightingale for questions regarding the large CNC machine.

Also, please pay attention to the rules for the machine shop, some of the commonly forgotten rules are:

Do not work alone.

Wear eye protection and closed-toed shoes when working.

Good luck!

Jason Mayes