

Machine Shop



What We Do

The Machine Shop is a full-service research shop that provides machining, assembly and fabrication services in support of research projects for Cullen College students, faculty and staff.

Services Available

- Professional machining and welding services
- Design assistance (consultation, CAD drawing)
- Stock, fasteners, hand and power tools are available

Operating Policy

- You must supply detailed drawings of the part(s) you want fabricated, complete with quantity, material, and tolerances as needed.
- Customer can supply material or shop will supply the material at cost.
- Cost center/ speed type # is required for billing.

Rates

- UH users: \$35/hr
- Non-UH Users: \$54.25/hr

Hours and Location

Monday - Friday

6:30 a.m. - 3:00 p.m.

Location: UH Energy Research Park

Building 7, Suite 110

5000 Gulf Freeway

Houston, TX. 77023

[Driving Directions](#)

Equipment Available

- Bridgeport style vertical knee mills
- Horizontal mill
- Engine lathes (capable of swinging up to 20" diameter and 6' in length)
- 120 Ton Scotchman Hydraulic Iron Worker (with punching and shearing capabilities)
- Tig and stick welding as well as plasma cutting and brazing/soldering abilities
- Haas CNC Vertical Machining Center with 40" X 20" X 25" (X,Y,Z) travel, 20 Tool Umbrella Carousel, utilizing the latest Cam Software from Espirit
- *New!* Toolroom Mill with Tool Changer; 40" x 20" x 16" (1016 x 508 x 406 mm), 40 taper, 7.5 hp (5.6 kW) vector drive, 6000 rpm, full enclosure, 10-station automatic tool changer, Visual Programming System, power-failure detection module, 1 GB program memory, memory lock keyswitch, 15" color LCD monitor and USB port and 20-gallon (76 liter) flood coolant system.
- *New!* CNC Toolroom Lathe; 16" x 30" (406 x 762 mm) max capacity, chip enclosure, 20" (508 mm) swing, 10 hp (7.5 kW) vector drive, 1800 rpm, A2-6 spindle, Intuitive Programming System, coolant pump, 1 MB program memory, memory lock keyswitch, air blow gun, 15" color LCD monitor and USB port. No workholding, toolpost, or toolholders included

Photos

Unable to view the above slideshow? [Click here to view the photo album.](#)

Contact Us

Michael Young

Phone: (713) 743-4411

E-mail: [mryoung \[at\]central \[dot\] uh \[dot\] edu](mailto:mryoung@central.uh.edu)