

# **Mechanical Engineering Department**

## **Departmental shared facilities charges arrangement**

The Mechanical Engineering Department hosts a list of facilities for users from UGC affiliates to support their research in engineering, material science, and various other disciplines. Under user-pay principle, the users or their supervisors should allocate budget for using the equipment. Detailed information of the equipment can be found in <https://mech.hku.hk/departamental-research/>. To apply for usage right(s), please visit the Moodle page: [https://mech.hku.hk/share\\_facility](https://mech.hku.hk/share_facility) or contact the Technical staff in charge, Mr Patrick Ng (email: [patchng@hku.hk](mailto:patchng@hku.hk)), for assistance.

### **Equipment charges**

Name of equipment (location)	ME users*	Non-ME HKU users	Other UGC users
Zeiss Sigma 300 SEM (HWG13A)	\$120/hour	\$120/hour	\$480/hour
Zeiss Sigma 360 SEM (HWG13A)	\$120/hour	\$120/hour	\$480/hour
Bruker MultiMode 8 AFM (HWG13A)	\$60/hour	\$60/hour	\$240/hour
Rigaku SmartLab 9kW XRD (HWG13A)	\$240/hour	\$240/hour	\$960/hour
Bruker Contour GT-K Optical profiler (HWG12)	Free of charge	\$60/hour	\$240/hour
Zeiss Axioscope5 Optical Microscope (HWG12)	Free of charge	\$60/hour	\$240/hour
Setaram Labsys Evo TGA (HW201)	\$120/hour	\$120/hour	\$480/hour
LAMBDA 365 UV-Vis Spectrophotometer (COBLG206)	Free of charge	\$60/hour	\$240/hour
Sindatek Model 100SB Contact Angle Meter (COBLG206)	Free of charge	\$60/hour	\$240/hour
Cameca LEAP 6000 XR APT (HWG13)	\$500/hour	\$500/hour	\$2000/hour
Atomic Layer Deposition System (HW201)	\$360/hour	\$360/hour	\$720/hour
Pulse Laser Deposition System (HW201)	\$360/hour(each session 4 hours)	\$360/hour(each session 4 hours)	\$720/hour(each session 4 hours)
Confocal Raman spectroscopy (YP307)	TBD	TBD	TBD
PVD, High-Vacuum thermal deposition for metals (YP307)	\$180/hour (Not include consumable part)	HK\$180/hour (Not include consumable part)	\$360/hour (Not include consumable part)
LED lithography (YP307)	\$300/hour	\$300/hour	\$600/hour
Probe station (YP307)	\$ 180/hour (Not include consumable part)	HK\$180/hour (Not include consumable part)	\$360/hour (Not include consumable part)

\*ME users refer to users from the Mechanical Engineering Department of The University of Hong Kong.

Note:

1. The minimum usage of any equipment is 0.5 hour.
2. The equipment charges listed here are reviewed from time to time. Users and PIs should refer to the Moodle page: [https://mech.hku.hk/share\\_facility](https://mech.hku.hk/share_facility) and the University Central Facilities website <https://emunit.hku.hk/#/pages/cost.php> for the most updated information.
3. The permanent link of this document can be seen in [https://mech.hku.hk/mech\\_facility\\_charging/](https://mech.hku.hk/mech_facility_charging/)

## Service charges

	ME users*	Non-ME HKU users	Other UGC users
Equipment operation assistance service**	\$480/hour	\$480/hour	\$1440/hour
Equipment operation training service***	\$480/hour	\$480/hour	\$1440/hour

\*\**Equipment operation assistance service* refers to a laboratory staff assisting a user operating an equipment for an entire session reserved by the user. This service is not available for all sessions. A user in need of the service should make a special request to the laboratory staffs before the session. This service does not guarantee fulfilling the experimental requirements of the user.

\*\*\* *Equipment operation training service* refers to a laboratory staff providing basic operation training of an equipment to a user in face-to-face manner. The laboratory staff has the right to choose which type of operation(s) to be included in the training.

## Consumable charges

	ME users*	Non-ME HKU users	Other UGC users
SEM sample mount (Brand: Ted Pella)	\$3/each	\$3/each	\$6/each
AFM SCANASYST-Air probe (Brand: Bruker)	\$320/each	\$320/each	\$640/each
AFM SCM-PIT-V2 probe (Brand: Bruker)	\$470/each	\$470/each	\$940/each
AFM TESPA-V2 probe (Brand: Bruker)	\$360/each	\$360/each	\$720/each
AFM SCANASYST FLUID+ probe (Brand: Bruker)	\$370/each	\$370/each	\$740/each
TGA alumina crucibles 100mL	\$12/each	\$12/each	\$24/each

Note: For details, please refer to the “HWG13A list of consumables” document in the Moodle page: [https://mech.hku.hk/share\\_facility](https://mech.hku.hk/share_facility).