MDMF (CWB)
Charging Scheme – wef 2 April 2024

1. **Tier-1 Jobs (HKUST internal users)**

1.1 EMF and CAD-1 (Machine being operated by MDMF staff)
Charges = Consumables + Machine charge per associated category (refer to Table 1) +
Man hour charge of HK$80/hour

1.2 MAT and CAD-2 (Machine being operated by end users)
Charges = Consumables + Machine charge per associated category (refer to Table 1)
Note:
- For new user, additional charge for new user training per associated machine category (refer to Table 1).

1.3 IMR and DS
Charges = Consumables + Man hour charge of HK$150/hour

Remarks:
- For charges being based on hour, the charging will be rounded up to the nearest 0.5 hour.
- For charges being based on day, the charging will be rounded up to the nearest 0.5 day.

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2. **Tier-2 Jobs (Users from sister institutions)**

2.1 EMF and CAD-1 (Machine being operated by MDMF staff)
Charges = Consumables + Machine charge per associated category (refer to Table 1) +
Man hour charge of HK$150/hour

2.2 MAT and CAD-2 (Machine being operated by end users)
Charges = Consumables + Machine charge per associated category (refer to Table 1)
Note:
- For new user, additional charge for new user training per associated machine category (refer to Table 1).
- If machine is to be operated by MDMF staff, then there is an additional Man hour charge of HK$500/hour.

2.3 IMR and DS
Charges = Consumables + Man hour charge of HK$300/hour

Remarks:
- For charges being based on hour, the charging will be rounded up to the nearest 0.5 hour.
- For charges being based on day, the charging will be rounded up to the nearest 0.5 day.
- External users will pay an additional 30% of the above charges to cover university overhead.

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3. **Tier-3 Jobs (Industrial & service contracts and consulting work)**

3.1 EMF and CAD-1 (Machine being operated by MDMF staff)

   Charges = Consumables + Machine charge per associated category (refer to Table 1) + Man hour charge of HK$300/hour

3.2 MAT and CAD-2 (Machine being operated by MDMF staff)

   Charges = Consumables + Machine charge per associated category (refer to Table 1) + Man hour charge of HK$500/hour

3.3 IMR and DS

   Charges = Consumables + Man hour charge of HK$500/hour

Remarks:
- For charges being based on hour, the charging will be rounded up to the nearest 0.5 hour.
- For charges being based on day, the charging will be rounded up to the nearest 0.5 day.
- External users will pay an additional 30% of the above charges to cover university overhead.

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**Table 1: Machine Category & Associated Machine Charge**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Category</th>
<th>Machine</th>
<th>Charging Rate - Tier 1</th>
<th>Charging Rate - Tier 2</th>
<th>Charging Rate - Tier 3</th>
<th>New User Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAD-1</td>
<td>6</td>
<td>Coordinate Measuring Machine / Professional Grade 3D Printer / Laser Cutting Machine for Metal / High Precision Optical Scanner</td>
<td>HK50/hr</td>
<td>HK80/hr</td>
<td>HK100/hr</td>
<td>N/A</td>
</tr>
<tr>
<td>CAD-2</td>
<td>4</td>
<td>Contact Angle Meter : Biolim Theta</td>
<td>HK100/hr</td>
<td>HK600/hr</td>
<td>HK900/hr</td>
<td>HK300</td>
</tr>
<tr>
<td>CAD-2</td>
<td>5</td>
<td>3D Surface Metrology: Bruker NPFLEX-1000</td>
<td>HK150/hr</td>
<td>HK600/hr</td>
<td>HK900/hr</td>
<td>HK300</td>
</tr>
<tr>
<td>CAD-2</td>
<td>7</td>
<td>Nanolindenter</td>
<td>HK250/day</td>
<td>HK600/hr</td>
<td>HK900/hr</td>
<td>HK300</td>
</tr>
<tr>
<td>EMF</td>
<td>3</td>
<td>Conventional Machining</td>
<td>HK30/hr</td>
<td>HK50/hr</td>
<td>HK60/hr</td>
<td>N/A</td>
</tr>
<tr>
<td>EMF</td>
<td>6</td>
<td>Wire-Cut Machine / EDM Machine / CNC Machining Center / CNC Lathe / CNC Milling Machine</td>
<td>HK50/hr</td>
<td>HK80/hr</td>
<td>HK100/hr</td>
<td>N/A</td>
</tr>
<tr>
<td>MAT</td>
<td>1</td>
<td>Furnace / Memmert Oven / Vacuum Oven</td>
<td>HK80/day</td>
<td>HK80/day</td>
<td>HK160/day</td>
<td>NIL</td>
</tr>
<tr>
<td>MAT</td>
<td>2</td>
<td>Tube Furnace</td>
<td>HK200/day</td>
<td>HK200/day</td>
<td>HK400/day</td>
<td>NIL</td>
</tr>
<tr>
<td>MAT</td>
<td>3</td>
<td>Diamond Precision Saw / Humidity Chamber / Reactive Ion Etching (RIE) / Sonicator / Topcon TMM-130Z Measuring Microscope</td>
<td>HK30/hr</td>
<td>HK600/hr</td>
<td>HK900/hr</td>
<td>HK300</td>
</tr>
<tr>
<td>MAT</td>
<td>4</td>
<td>ASC Process Systems Autoclave / Extruders (Single Screw, Twin Screw) / MTS 810 100KN Universal Testing Machine / MTS 858 Mini Bionix / MTS 858 Table Top System / MTS Bionix Servohydraulic Test System / Ultracut &amp; Ultramicrotome</td>
<td>HK100/hr</td>
<td>HK600/hr</td>
<td>HK900/hr</td>
<td>HK300</td>
</tr>
<tr>
<td>Unit</td>
<td>Category</td>
<td>Machine</td>
<td>Charging Rate - Tier 1</td>
<td>Charging Rate - Tier 2</td>
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<td>New User Training</td>
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</tr>
<tr>
<td>MAT</td>
<td>4</td>
<td>Hydraulic Vacuum and Lamination Hot Press</td>
<td>HK100/hr</td>
<td>HK600/hr</td>
<td>HK900/hr</td>
<td>NIL</td>
</tr>
<tr>
<td>MAT</td>
<td>5</td>
<td>Image Processing System / IR Camera / Particle Size Analyzer / Scanning Acoustic Microscope (C-SAM) / TecScan 7 Axis Immersion Scanner / ZetaPlus (Zeta Potential Nano-particle Analyzer)</td>
<td>HK150/hr</td>
<td>HK600/hr</td>
<td>HK900/hr</td>
<td>HK300</td>
</tr>
<tr>
<td>MAT</td>
<td>6</td>
<td>Centrifuge Z 326</td>
<td>HK50/hr</td>
<td>HK600/hr</td>
<td>HK900/hr</td>
<td>NIL</td>
</tr>
<tr>
<td>MAT</td>
<td>8</td>
<td>X-Ray with CT Imaging System</td>
<td>HK200/hr</td>
<td>HK600/hr</td>
<td>HK900/hr</td>
<td>N/A</td>
</tr>
<tr>
<td>MAT</td>
<td>9</td>
<td>Surface Area and Pore Size Distribution Analyzer*</td>
<td>HK30/hr</td>
<td>HK50/hr</td>
<td>HK100/hr</td>
<td>HK300</td>
</tr>
</tbody>
</table>

* (Minimum charge is 30hrs.)