



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**PUSAT PENGURUSAN MAKMAL  
UNIVERSITI (PPMU)**

|                   |            |
|-------------------|------------|
| Form Num.         | UURL/F/158 |
| Version           | 1/2024     |
| Effective Date    | 01/03/2024 |
| Equipment         | E-BEAM     |
| Sample Serial No. | UURL/      |

**MICRONANO FABRICATION & MACHINING LABORATORY  
SAMPLE SUBMISSION FORM (INDUSTRY)**

**General Rules and Requirements:**

- All information provided should be true
- Booking will be notified/updated by email
- Booking procedure
  - Submit the completed application form to UURL Sample Acceptance Counter
  - Fast Lane is offered to non-UTM customers with an additional 50% charge from the normal price**
- Sample Condition & Preparation
  - PPMU has the right to cancel any analysis if the sample is suspected to have a high risk on the safety of the operator or can cause damage to the instrument during the analysis. The cost of damages will be borne by the customer.**
  - The remaining samples will be disposed of within a month after analysis is completed.**
- All enquiries regarding **E-BEAM EVAPORATOR** should be forwarded to the Science Officer (Mrs Nurnazmin Mohd Nordin, email: [nurnazmin@utm.my](mailto:nurnazmin@utm.my) & Assistant Engineer, Mr Muhammad Sulaiman Muhammad Zain, email: [m.sulaiman@utm.my](mailto:m.sulaiman@utm.my), tel: 07-5557729) or visit our website [ppmu.utm.my](http://ppmu.utm.my).

**1. APPLICANT'S PERSONAL PARTICULARS**

|                            |   |
|----------------------------|---|
| Name of Applicant          |   |
| Hand Phone No.             |   |
| Email                      |   |
| Department/Division        |   |
| Signature & Official Stamp | *A digital signature is not recommended. Any matters raised in the future are beyond our responsibilities |

**2. COMPANY DETAILS**

|                  |  |
|------------------|--|
| Name             |  |
| Registration No. |  |
| Address          |  |
| Telephone No.    |  |
| Email            |  |
| Mode of Payment  | <input type="checkbox"/> Cash <input type="checkbox"/> EFT <input type="checkbox"/> Invoice <input type="checkbox"/> Fast Lane |

**3. SAMPLE INFORMATION**

|                      |   |                               |                |                              |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
|----------------------|---|-------------------------------|----------------|------------------------------|----------------|-----------------|------------|------------|------------------------------|-----------|----------------|---------------|-------------------------|----------------------|-------------------|-------------|-----------------|-------------|------------|---------------|--------------|
| Total No. of Sample  |   |                               |                |                              |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
| Type/Name Of Sample  |   |                               |                |                              |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
| Recipe Input         | <table border="1"> <tr> <td>Ion Source (Argon &amp; Nitrogen)</td> <td></td> <td>Thickness (µm)</td> <td></td> </tr> <tr> <td colspan="4"><b>Material</b></td> </tr> <tr> <td>Gold (Au)</td> <td>Aluminium (Al)</td> <td>Titanium (Ti)</td> <td>Silicone Dioxide (SiO2)</td> </tr> <tr> <td>Chromium (Cr)</td> <td>Nickel (Ni)</td> <td>Silver (Ag)</td> <td>Molybdenum (Mo)</td> </tr> <tr> <td>Copper (Cu)</td> <td>Ferum (Fe)</td> <td>Platinum (Pt)</td> <td>Tungsten (W)</td> </tr> </table> | Ion Source (Argon & Nitrogen) |                | Thickness (µm)               |                | <b>Material</b> |            |            |                              | Gold (Au) | Aluminium (Al) | Titanium (Ti) | Silicone Dioxide (SiO2) | Chromium (Cr)        | Nickel (Ni)       | Silver (Ag) | Molybdenum (Mo) | Copper (Cu) | Ferum (Fe) | Platinum (Pt) | Tungsten (W) |
|                      | Ion Source (Argon & Nitrogen)   |                               | Thickness (µm) |                              |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
|                      | <b>Material</b>   |                               |                |                              |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
|                      | Gold (Au)   | Aluminium (Al)                | Titanium (Ti)  | Silicone Dioxide (SiO2)      |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
|                      | Chromium (Cr)   | Nickel (Ni)                   | Silver (Ag)    | Molybdenum (Mo)              |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
| Copper (Cu)          | Ferum (Fe)  | Platinum (Pt)                 | Tungsten (W)   |                              |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
| Solvent (ml)         | <table border="1"> <tr> <td>SU-8 2002</td> <td>SU-8 Developer</td> <td>KMPR 1035</td> <td>AZ IPS-6090 PR</td> </tr> <tr> <td>SU-8 2010</td> <td>Remover PG</td> <td>AZ 1505 PR</td> <td>AZ nLOF 2070 Negative Resist</td> </tr> <tr> <td>SU-8 2075</td> <td>AZ 40 XT - 11D</td> <td>Isopropanol</td> <td>Acetone</td> </tr> <tr> <td>AZ 826 MIF Developer</td> <td>Technistrip P1316</td> <td>Ethanol</td> <td></td> </tr> </table>   | SU-8 2002                     | SU-8 Developer | KMPR 1035                    | AZ IPS-6090 PR | SU-8 2010       | Remover PG | AZ 1505 PR | AZ nLOF 2070 Negative Resist | SU-8 2075 | AZ 40 XT - 11D | Isopropanol   | Acetone                 | AZ 826 MIF Developer | Technistrip P1316 | Ethanol     |                 |             |            |               |              |
|                      | SU-8 2002   | SU-8 Developer                | KMPR 1035      | AZ IPS-6090 PR               |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
|                      | SU-8 2010   | Remover PG                    | AZ 1505 PR     | AZ nLOF 2070 Negative Resist |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
|                      | SU-8 2075   | AZ 40 XT - 11D                | Isopropanol    | Acetone                      |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
| AZ 826 MIF Developer | Technistrip P1316   | Ethanol                       |                |                              |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |
| Remarks              |   |                               |                |                              |                |                 |            |            |                              |           |                |               |                         |                      |                   |             |                 |             |            |               |              |