# 化工系 X 光繞射儀（XRD-D8 Advance）使用申請單

**No.** _____

**申請日期：** 年 月 日 時

**測試日期：** 年 月 日 時 至 年 月 日 時

**樣品條件：** 1. Types : □Powders □Thin film □Capillary Tube

2. No. of samples: ____

待測樣品:_____

**需自備物品：酒精、拭鏡紙、夾子、藥勺**

1.使用者對儀器之熟稔情形:

□首次使用需 Superuser 協助或教學

□非首次使用仍需 Superuser 協助或教學

□Superuser 考核

□可獨立操作之使用者

2. **□借用人在借用期間若因操作不當造成儀器或其配件損壞，並影響後續使用者之借用權益，需自行負擔相關賠償責任**

3.使用前先於「儀器保養維護記錄簿」登記，使用後務必確實清潔並將儀器及其配件歸位。初次違規者，將停止個人使用權一個月；如再犯，將視情節加重處分，停權期間可延長至一學期甚至永久停止使用。違規情節嚴重者，亦可能連帶影響該實驗室之使用權限。

5. 本系使用者需繳儀器維修基金：自行操作（具 B 級執照）300 元/小時，600 元/小時+330 元/小時（委測/教學）。一年度繳滿 20,000 元者，則該年度內不需再行繳交。關於儀器維修基金之繳交，本系使用者得於繳費通知單發出後兩個月內繳清。未繳清前，不得再借用該儀器。校內外系委託每小時 800 元，校外學界委託位每小時 1200 元，產業委託每小時 2500 元，以上費用另加收 330 元/小時（委測/教學）。此外，不分校內外單位，開機使用未滿 1 小時仍收 1 小時基本費。

6.於使用時間內如超過 24 小時不使用，應通知技術員，否則即取消該次使用權利，且照常收費，並縮短其往後登記使用該儀器之最長期限。

7.嚴禁自行移動儀器之任何元件，由技術員或 Superuser 操作。違者將禁止使用該器。

*本儀器負責 Superuser 劉珈瑞 (Prof.葉旻鑫實驗室)&蔡宗鎰 (Prof.黃炳照老師實驗室)

*本儀器負責老師 葉旻鑫 (E2-715-1)

□本人已詳閱並同意上述內容並願遵守精密儀器及常用設備管理辦法。

借用人簽名：_____

指導教授簽名：_____

儀器負責老師意見及簽名：_____

外系或外校申請者，請化工系主任簽名：_____

# Application Form for XRD D8 ADVANCE in the Dep. of Chem. Engineering

Registration date (Month/Date/Year):_____

Registration time:_____

Sample Conditions **1. Types : □Powders □Thin film □Capillary Tube**

**2. No. of samples: ___**

Test sample:_____

1. User's proficiency level regarding instrument use:

□ First-time user requiring assistance or training from a Superuser;

□ Non-first-time user still requiring assistance or training from a Superuser;

□ Qualification;

□ User capable of operating the instrument independently;

2. □ If the borrower causes damage to the instrument or its accessories due to improper operation during the borrowing period, thereby affecting the borrowing rights of subsequent users, the borrower shall be solely responsible for any resulting compensation.

3. Be sure to take a record of the usage in the register before operating the instrument. Be sure to thoroughly clean the equipment and return it and its accessories to their proper places after use. First-time offenders will have their individual usage privileges suspended for one month; repeat offenders will face more severe penalties depending on the circumstances, with suspensions ranging from one semester to one year, or even permanent suspension. Serious violations may also result in the revocation of the laboratory's usage privileges.

4. Internal department users are required to pay the instrument maintenance fund: 300 TWD/hour for self-operation (with a B-class license), and 600 TWD/hour + 330 TWD/hour for commissioned testing/instruction. Those who have paid a total of 20,000 TWD within a single year are exempt from further payments for the remainder of that year. Regarding the payment of the instrument maintenance fund, internal department users must settle the payment within two months after the payment notice is issued. Before the payment is cleared, the instrument may not be borrowed again. Commissioned testing for other departments within the university is 800 TWD per hour, for external academic institutions 1,200 TWD per hour, and for industrial projects 2,500 TWD per hour; the above fees are subject to an additional charge of 330 TWD/hour (commissioned testing/instruction). Furthermore, regardless of whether the unit is internal or external, a minimum charge of one hour will be applied even if the operation time is less than one hour.

5. If the instrument is not used for more than 24 hours within the designated usage time, the technician must be notified. Otherwise, the usage right will be cancelled, and the normal charges will apply, and the maximum registration period for future use of the instrument will be shortened.

6. It is strictly forbidden to move any component of the instrument yourself. Operation must be performed by the technician or superuser. Violators will be prohibited from using the instrument again.

*The current Superusers of this instrument are Jia-Ruei Liou (Prof. Min-Hsin Yeh's Laboratory, E2-620) and Tsung-Yi Tsai (Prof. Bing-Jau Hwang's Laboratory, E2-518).

*The professor currently in charge of this instrument is Min-Hsin Yeh (E2-715-1).

□I have read and agree to the above terms and undertake to comply with the Regulations on the Management of Precision Instruments and Common Equipment.

User's signature:_____

Advisor's Signature:_____

Signature and comment from Professor-in-charge of the instrument:_____

Signature of the chairman of the Chemical Engineering Department: _____

(Required for applicants from departments/institutions other than Chemical Engineering)