

XIAOXIANG INNOTECH (HK) CO., LIMITED - Hardware Engineer

Company Name: XIAOXIANG INNOTECH (HK) CO., LIMITED

Position: Hardware Engineer

Posting Date: 27 Sep 2026

Job Title: Hardware Engineer

Responsibilities:

A Robotics Hardware Engineer designs system architecture, schematics, PCB layouts, and component selection. Implements motor drivers, sensor interfaces, power management, and communication buses (CAN, EtherCAT). Collaborates with mechanical and software teams on prototype debugging, resolving EMC, thermal, and signal integrity issues. Defines test specifications, participates in FMEA and safety certifications (UL, CE). Delivers BOMs and production documentation to support manufacturing transfer.

This role is specifically focused on hardware customization for aluminum electrolysis applications, requiring a solid grasp of electrolytic power supplies, electrode drive control, and high-precision voltage/current/temperature sensing. Leveraging knowledge in materials science and electrochemistry, the engineer selects corrosion - resistant, high - temperature - tolerant components and designs protective circuits to withstand harsh electrolytic environments (corrosion, heat, strong magnetic fields). Close collaboration with process teams ensures long-term reliability and extended service life in industrial settings. The engineer also tracks emerging technologies to drive hardware platform evolution.

Number of Vacancies: 2

Nature of Work: Full-time

Employment Type: Permanent

Working Hours: Monday to Friday, 9:00 am – 5:00 pm daily

Work Location: Unit 830, Incubation Centre, 8/F, Building 8, 17 Research Road, Hong Kong-Shenzhen Innovation and Technology Park, Lok Ma Chau, Hong Kong

Basic Salary: HKD 15,000

Other Allowances or Benefits: Meal allowance HKD 3,000; Transport allowance HKD 2,000

Education Requirement: Master's and PhD graduates: no work experience required; Bachelor's degree holders: at least one year of relevant industry experience

Work Experience: None (as per education requirement)

Language Requirements: Cantonese—not required; Mandarin – required; English— required

Reading and Writing Requirements: Chinese and English, both readable and writable

Please send resume to wanhao@xxzktech.com

崗位名稱： 硬件工程師

職責：

機械人硬件工程師負責整機硬件架構設計、原理圖 / PCB 繪製、元器件選型、主導馬達驅動、

感測器介面、電源及通訊匯流排實現。協同機械、軟件團隊完成樣機調試，解決 EMC、散熱、訊號完整性問題。制定測試規範，參與 FMEA 與安規認證，輸出 BOM 及生產文檔，保障量產。

本崗位特別專注於鋁電解行業應用的硬件定制化開發，需深入理解電解電源系統、電極驅動控制、高精度電壓 / 電流 / 溫度感測器接口設計，並結合材料科學與電化學基礎知識，針對電解環境中的腐蝕、高溫、強磁場等苛刻條件進行電路防護、材料選型及散熱優化，協同工藝團隊持續提升硬件在工業現場的可靠性與使用壽命。同時緊密跟蹤新興技術，推動硬件平台迭代升級。

空缺數目： 2

工作性質： 全職

聘用形式： 長工

工作時間： 每週一到週五，每天 9 點至 17 點

工作地點： 香港落馬洲港深創科園研發路 17 號 8 號大樓 8 樓躍進空間 830 室

基本薪資： 15000（港元）

其他津貼或福利： 膳食補貼 3000，交通補貼 2000

學歷要求： 碩士及博士無需工作經驗；本科生需具有至少一年的相關行業工作經驗

工作經驗： 無（按學歷要求執行）

語言要求： 粵語不需要 普通話需要 英語需要

閱讀及書寫要求： 中文英文，可閱讀可書寫

如有興趣請發送簡歷至 wanhao@xxzktech.com