

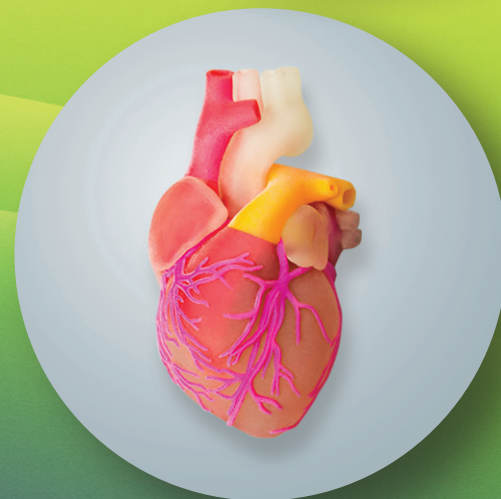
Product Customisation Services *Innovate the Future Print Unlimited Possibilities*

We aim to provide comprehensive and advanced 3D printing services and solutions for businesses, professionals, schools, and the general public. Equipped with state-of-the-art 3D printing equipment and facilities, along with professional consulting and training services, we promote a deep understanding of the charm and value of 3D printing across various industries. Additionally, we have established the HKPC-HP 3D Printing Technology Centre in collaboration with Hewlett-Packard Company, creating a crucial hub for knowledge exchange and business cooperation. This centre helps various sectors better grasp market trends and is dedicated to leveraging 3D printing technology to drive new industrialisation development.



產品定製化服務 *創想未來 打印無限可能*

我們旨在為工商企業、專業人士、學校及大眾提供全面且先進的3D打印綜合服務與解決方案。本局配備先進的3D打印設備及相關設施，並輔以專業諮詢與培訓服務，推動各行業各方深入瞭解3D打印的魅力與價值。本局還與跨國科技公司惠普（HP）聯合建立了「生產力局 - 惠普3D打印科技中心」，構建一個交流合作的重要平台，協助各領域更好掌握市場趨勢，致力利用3D打印技術推動新型工業化的發展。



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部分圖片中的樣品由惠普 (HP) 提供
Part of the samples in the pictures are provided by Hewlett-Packard Company (HP)



3D 打印技術應用領域

Applications of 3D Printing Technology

醫療 Medical

定製適配性高的醫療器械如個性化義肢、牙套模具等，以及用於手術預演的高仿真度醫療模型。
High-fit medical devices such as personalised prosthetics, dental moulds, and highly simulated medical models for surgical rehearsals.



復康 Rehabilitation

依據患者狀況定製復康輔助器具，如訓練器材、行走輔助工具等。
Rehabilitation aids based on patient conditions, including training equipment and walking aids.



眼鏡 Eyewear

設計製作貼合面部輪廓與個人風格的定製眼鏡框及零部件。
Spectacle frames and components that fit facial contours and personal style.



運動 Sports

打造輕量化、高強度的運動護具，如頭盔、護膝等，及契合運動員身體與需求的個性化裝備。
Lightweight and high-strength sports protective gear such as helmets and knee pads, as well as personalised equipment tailored to athletes' bodies and needs.



珠寶及鐘錶 Jewellery and Watch

創作獨一無二的定製珠寶首飾及鐘錶，實現高精度和複雜設計的製作。
Unique and customised jewellery and watches, achieving high precision and intricate designs.



產品開發流程 (從概念到產品) Product Development Flow (From Concept to Product)

概念設計 Concept Design

專業團隊根據客戶需求製定初步設計方案，涵蓋產品外形、功能與材料規劃。
Formulate initial design plan based on customer needs, covering product appearance, functionality, and material selection.

設計優化 Design Optimisation

與客戶共同評審方案，依反饋修改完善及優化設計，再通過專業軟件構建 3D 模型。
Collaboratively review and refine the design with the customer, optimise the design based on feedback, and construct 3D models using professional software.

3D 打印製作 3D Printing and Production

依產品特性選定合適的專業 3D 打印機及適配材料製作樣板及批量生產。
Select appropriate professional 3D printers and materials based on product characteristics for prototyping and small-batch production.

後處理 Post-Processing

根據客戶要求進行拋光，染色，電鍍等一系列的表面處理工作。
Conduct a series of surface treatments such as polishing, dyeing, and electroplating according to requirements.

產品測試及認證 Product Testing and Certification

專業團隊根據產品需求製定合適的產品測試方案，協調認可測試機構完成產品測試，協助客戶取得相關的產品認證。
Develop suitable product testing plan based on product requirements and coordinate with accredited laboratory for product testing and certification.

主要設施 Key Facilities

3D 打印設備 3D Printing Equipment

本局引進了先進的塑膠、金屬及陶瓷 3D 打印技術，打印精細、速度快、能完成批量式定製化產品生產，當中技術包括 HP 金屬粉末粘結技術 (Metal Jet) 及多射流熔融技術 (Multi-Jet Fusion, MJF)、Stratasys J750 全彩多材料 3D 打印技術以及數碼光處理陶瓷 3D 打印技術等。

We have introduced the advanced plastic, metal, and ceramic 3D printing technologies, offering fine printing, high speed, and the capability for mass production of customised products. Technologies include HP's Metal Jet and Multi-Jet Fusion (MJF), Stratasys J750 full-colour multi-material 3D printing, and digital light processing ceramic 3D printing.

材料 Printing Materials

材料豐富，能滿足性能與經濟性的需求。如不鏽鋼 (SS 316L, 17-4PH)、高強度工程塑料 (PA12, TPU) 等，有著出色的物理和化學特性。其次，我們還可以根據產品需求及特定的 3D 打印技術來開發有獨特性能的 3D 及 4D 打印材料。

We offer a wide range of materials to meet both performance and economic needs, such as stainless steel (SS 316L, 17-4PH) and high-strength engineering plastics (PA12, TPU), which have excellent physical and chemical properties. Additionally, we can develop 3D & 4D printing materials with unique properties based on specific 3D printing technologies according to product requirements.

一站式服務 One-Stop Services

諮詢與 3D 打印服務 Consultation and 3D Printing Services

涵蓋產品設計開發、3D 掃描、3D 電腦輔助造型、多元物料樣板打印、小批量生產及協助客戶申請專利、完成產品測試並申請產品質量認證等。

Covering product design and development, 3D scanning, 3D CAD modelling, multi-material sample printing, small-batch production, patent application, product testing, and quality certification application.

培訓課程 Training Courses

開設 3D 打印體驗課程與全方位培訓課程。
Offering hands-on 3D printing experience workshops and comprehensive training programmes.

服務對象 Target Audience

工商業界、教育和科研機構、設計和創意行業、醫療和健康行業、政府機構、非政府組織 (NGO)、3D 打印愛好者等。
Industry, educational and research institutions, design and creative industries, medical and health sectors, government agencies, non-governmental organisations (NGOs), 3D printing enthusiasts, and more.