

## Equipment List

Equipment Code	A1901
<b>Name of Equipment</b>	<b>High-end GPU server</b>
Cost	HK\$ 1,600,000
Description of usage	This High-end GPU server is used for project development in an NVIDIA environment. <i>(End of transfer period: 30 Apr 2027)</i>
Equipment Code	A2201
<b>Name of Equipment</b>	<b>Power Device Analyzer/ Curve Tracer</b>
Cost	HK\$ 2,089,662
Description of usage	The Power Device Analyzer can measure currents at a sub-picoamp level at high voltage biases. To analyze the characteristics of discrete semiconductor devices such as diodes, transistors, and thyristors. <i>(End of transfer period: 30 Jun 2027)</i>
Equipment Code	A2202
<b>Name of Equipment</b>	<b>X-ray Microscopy</b>
Cost	HK\$ 1,836,900
Description of usage	Non-destructive inspection of internal structures of the components. <i>(End of transfer period: 30 Jun 2027)</i>
Equipment Code	A2203
<b>Name of Equipment</b>	<b>Powertester</b>
Cost	HK\$1,431,665
Description of usage	Lifetime testing and failure diagnosis of high-power electronics. <i>(End of transfer period: 30 Jun 2027)</i>

Equipment Code	A2204
<b>Name of Equipment</b>	<b>Supercomputer</b>
Cost	HK\$ 1,399,900
Description of usage	<p>This system is a universal system for all Artificial Intelligence (AI) workloads from data analytics to data training and / or data inferencing.</p> <p><i>(End of transfer period: 30 Jun 2027)</i></p>
Equipment Code	A2205
<b>Name of Equipment</b>	<b>Nanoindenter</b>
Cost	HK\$ 998,400
Description of usage	<p>Material properties such as hardness, modulus and creep at a nanoscale level, without measuring the residual imprint as it is done with conventional macroscale hardness techniques.</p> <p>Study the creep of solder alloys</p> <p><i>(End of transfer period: 30 Jun 2027)</i></p>
Equipment Code	A2206
<b>Name of Equipment</b>	<b>Electrodynamic Tester</b>
Cost	HK\$ 922,000
Description of usage	<p>Material properties such as elastic modulus, yield strength, shear strength, and stress relaxation while performing various mechanical testing procedures, such as stress-strain, fatigue, and creep in an Environmental Chamber, this system is more than capable of characterizing material responses to stresses in a wide range of operating temperatures and loads.</p> <p><i>(End of transfer period: 30 Jun 2027)</i></p>

Equipment Code	A2207
<b>Name of Equipment</b>	<b>XRF Spectrometer</b>
Cost	HK\$ 690,800
Description of usage	Fast, simple, and accurate way of material composition detection. Its most notable qualities include no, or minimal, sample preparation, non-destructive analysis, and compatibility with solid, liquid, and powdered samples. Thickness measurement mode provides the ability to determine depth of known layers of material. Each layer to be measured can be either a single element or an alloy. The depth of penetration varies depending on the materials used, but can be over 50µm. <i>(End of transfer period: 30 Jun 2027)</i>
Equipment Code	A2208
<b>Name of Equipment</b>	<b>Ultra Low Temperature and Humidity Chamber</b>
Cost	HK\$ 672,200
Description of usage	To test the durability of a package undergoing extreme temperature variations over a given period of time. <i>(End of transfer period: 30 Jun 2027)</i>
Equipment Code	A2209
<b>Name of Equipment</b>	<b>Shock Machine</b>
Cost	HK\$ 582,000
Description of usage	Reliability testing of compact products and electronics. Used to induce shock loads to PCBs, LED, Battery mobile devices and the parts, laptops, etc. <i>(End of transfer period: 30 Jun 2027)</i>
Equipment Code	A2301
<b>Name of Equipment</b>	<b>VICON Motion Capture System</b>
Cost	HK\$ 1,958,300
Description of usage	Record, digitize and analyze human or object movements in 3D space. <i>(End of transfer period: 31 Oct 2027)</i>

Equipment Code	A2302
<b>Name of Equipment</b>	<b>GPU Server (SYS-421GE-TNRT)</b>
Cost	HK\$ 1,580,000
Description of usage	Develop, test, and run software applications including machine learning, robotics, and scientific computing. <i>(End of transfer period: 31 Oct 2027)</i>
Equipment Code	A2303
<b>Name of Equipment</b>	<b>Nettrix X680-G55 Computing Workstation</b>
Cost	HK\$ 1,310,000
Description of usage	High-performance computing tasks including deep learning model training and AI-driven simulations. <i>(End of transfer period: 31 Oct 2027)</i>
Equipment Code	A2304
<b>Name of Equipment</b>	<b>Markforged 3D Printer System X7 (Gen2) Industrial Printer F-PR-3012</b>
Cost	HK\$ 1,022,600.70
Description of usage	Print industrial-grade manufacturing jigs, jaws, tools, fixtures, and end-use parts. <i>(End of transfer period: 31 Oct 2027)</i>
Equipment Code	A2305
<b>Name of Equipment</b>	<b>3D Motion Analysis System by VICON</b>
Cost	HK\$ 970,596
Description of usage	Record, digitize and analyze human or object movements in 3D space. <i>(End of transfer period: 31 Oct 2027)</i>
Equipment Code	A2306
<b>Name of Equipment</b>	<b>Focus Premium 3D Laser Scanner</b>
Cost	HK\$ 968,220
Description of usage	Capture high-resolution 3D data for structural analysis and robotic navigation. <i>(End of transfer period: 31 Oct 2027)</i>

Equipment Code	A2307
<b>Name of Equipment</b>	<b>Markforged 3D Printer System Hardware and Support service</b>
Cost	HK\$ 798,336
Description of usage	Print industrial-grade manufacturing jigs, jaws, tools, fixtures, and end-use parts. <i>(End of transfer period: 31 Oct 2027)</i>
Equipment Code	A2308
<b>Name of Equipment</b>	<b>Markforged X7 Industrial Carbon Fiber 3D Printer</b>
Cost	HK\$ 682,000
Description of usage	Rapid prototyping and production of high-strength, end-use parts using engineering-grade materials. <i>(End of transfer period: 31 Oct 2027)</i>
Equipment Code	A2309
<b>Name of Equipment</b>	<b>3D Motion Analysis System by VICON</b>
Cost	HK\$ 656,155.50
Description of usage	Record, digitize and analyze human or object movements in 3D space. <i>(End of transfer period: 31 Oct 2027)</i>
Equipment Code	A2401
<b>Name of Equipment</b>	<b>High Performance Computer Cluster</b>
Cost	HK\$ 12,750,270
Description of usage	Conduct scientific, medical and machine learning research and their applications. <i>(End of transfer period: 31 Oct 2027)</i>