



銓行應用材料股份有限公司

ALLTEK APPLIED MATERIAL CO., LTD.





Helping you stay ahead in rapidly an ever-changing competitive environment

在不斷變動的競爭領域中 協助您取得技術優勢領先的地位

- 黃光製程設備製作
- 製程設備整新改造
- 自動化設備OEM/ODM製作服務
- 自動化機台整合方案
- 無塵等級加熱器客製化製作
- 鋁合金表面特殊處理
- 非標準品零件更換及開發

Photolithography heating process equipment

Renovation of process equipment

Automation equipment with OEM/ODM

Automation machine integration

Customized heater for clean room solution class(with class 10)

Functional surface treatment for aluminum

Solutions for non-standard spare parts replacement
and new development

About us and our Service

提供完善的工程服務是我們負責任的專業態度。我們不斷精進自身能力，將頂尖研發技術與產品完美整合，協助您在不斷變動的技術環境中取得領先地位。

We provide a complete engineering service and constantly improving our capabilities. And integrate new technologies and new products to provide as best solutions to our customers.

- 熱板式預烤爐

Pre-bake

- 紅外線加熱爐

IR HP

- 紫外線清洗機及固化機

UV cleaner and curing machine

- 自動化設備整線製作服務

Automation equipment integration

- 黃光製程加熱設備及改造

Photolithography heating equipment and modification

- 製程設備整改

Renovation of process equipment

- 自動化設備改造

Modification of automattion equipment

OEM Parts Manufacture

OEM 零件包製作流程



圖檔提供 Customer upload drawing
請至ATK官網上傳圖檔資料
Searching www.atk.com.tw and upload the drawing data.



圖檔確認 ATK check requirements
確認圖檔資料零件樣式、製作材質以及需求數量
Check Drawing details and requests about material and quantity.



報價提供 ATK provide quotation
業務提供報價資訊
Provide the quotation to customers.



客戶下單 Place purchase order to ATK
依客戶訂單開始採購作業
Receive order to start purchasing work.



集貨品檢 Manufacture and quality check
訂單到貨品項進行品檢把關
Check the quality of purchased parts.



訂單出貨 Parts delivery
完成客戶訂單品項集貨後，安排出貨運送
Arrange the shipping of the purchased parts.

如需組裝、電控配電、現場安裝，
可另行洽談。

We also provide assembly, electrical control and PLC programming also installation service, please feel free to contact us if you need.

ODM Parts Manufacture

ODM零件包製作流程



提案討論

拜訪客戶確認欲製作品項樣式、用途和數量(ATK可提供參考圖紙和業界經驗交流，並建議最適方案)

Visit and discussion

Visit customers and discuss demands, introduce ATK related experience.



提案設計

依客戶要望著手圖紙設計，並提交初稿確認

ATK provide proposal

According to the requirements, start the drawing design and provide the scheme.



圖檔確認

客戶初稿確認無慮，ATK 開始細部設計後提交客戶確認

Customer confirm scheme

After confirming that the scheme meets the needs, ATK starts detailed drawing design.



報價提供

業務提供報價資訊

ATK provide quotation

Provide the quotation to customers.



客戶下單

依客戶訂單，先與客戶進行最終製作圖面確認後執行製作

Place purchase order to ATK

Receive the purchase order and check if the drawing is final before production.



集貨品檢

訂單到貨品項進行品檢把關

Manufacture and quality check

Check the quality of purchased goods.



組裝出貨

完成集貨作業開始組裝，經測試無虞後安排出貨運送。

Assembly and delivery

Assemble the parts and check the quality before delivery.

如需組裝、電控配電、現場安裝，可另行洽談。

We also provide assembly, electrical control and PLC programming also installation service, please feel free to contact us if you need.

Material and Processing

可加工材質展示

加工材質

Material

1

鋼鐵 Steel
SS400, SPCC

2

不鏽鋼 Stainless Steel
SUS303, SUS304, SUS316, SUS430

3

鋁合金 Aluminum Alloy
A5052, A5056, A6061, A6063

4

工程塑膠 Engineering Plastics
Peek, Polymide, PEI, PVC, Slilcon, Viton, MC Nylon, PTFE

5

陶瓷 Ceramics
氧化鋁(Alumina), 氮化鋁(Aluminum Nitride),
氮化硅 (Silicon Nitride)

1

銑床 CNC Milling

2

車床 CNC Lathes

3

雷射切割 Laser Cutting

4

折彎 Bending

5

焊接 Welding

6

烤漆 Painting

7

表面處理 Surface Treatment (陽極、硬陽)

8

電鍍 Electroplating

5

加工方式

Processing Methods

Metal Processing Products

金屬成品展示：常見加工方式



Metal Processing Products

金屬製品



鋼鐵 Steel

SS400, SPCC



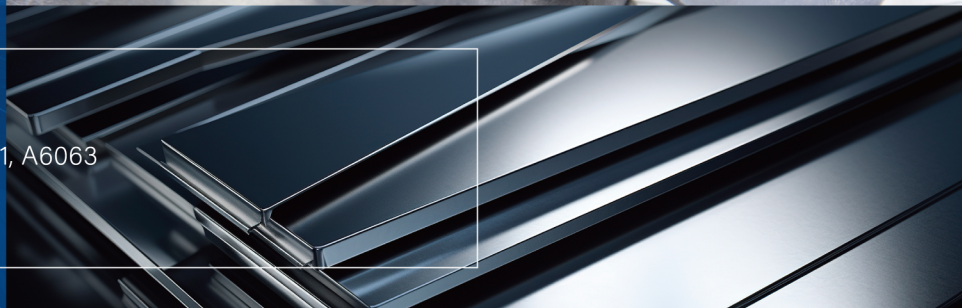
不鏽鋼 Stainless Steel

SUS303, SUS304, SUS316, SUS430



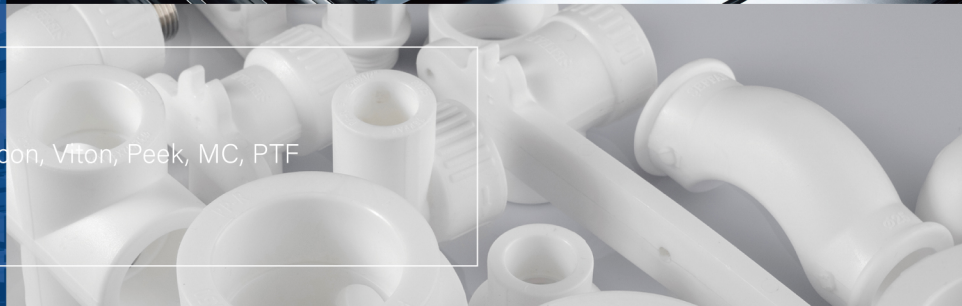
鋁合金 Aluminum Alloy

A5052, A5056, A6061, A6063



工程塑膠 Engineering Plastics

PI, PC, PEI, PVC, Silicon, Viton, Peek, MC, PTF



陶瓷 Ceramics

Alumina, Aluminum Nitride Silicon Nitride



Engineering Plastic Processing Products

工程塑膠

ATK提供耐高溫、耐腐蝕、耐磨耗等多種高性能工程塑料零件，使用於不同特殊製程上。

ATK provides a variety of high-performance engineering plastic parts such as heat resistance, corrosion resistance and wear resistance which are suitable for different process requirements.



工程塑料種類多樣，每種工程塑料各有其獨特特性和適用範圍。ATK根據實際應用，為客戶提供最適方案。

There are many types of engineering plastics, and they have their own applications, ATK will advise customers with the most suitable solution according to the actual applications.

Anodizing

陽極處理

※提供高品質陽極處理(已取得ISO認證)
※可對應單品到量產品

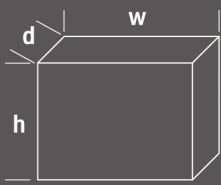
	硬膜陽極 Hard Anodize (Max.3800mm X 3800mm)		黑色硬陽 Hard Black Anodize (Max.1500mm X 1500mm)
	本色陽極 Anodize (Max.3800mm X 3800mm)		黑色陽極 Black Anodize (Max.1500mm X 1500mm)

陽極鍍膜處理的提案與開發

特殊皮膜	硬陽鐵氟龍/Refurbish(整新)
膜 厚	可對應範圍從數 μm ~100 μm ※視材質有所變異
遮 罩	可對應內部溝渠、複雜的密封遮罩 ※需討論
封 孔	藥液、熱水、常壓蒸氣封孔、加壓蒸氣封

陽極處理槽 & 蒸氣封孔槽 Work Size

↓↓ 陽極處理槽

Small Line Work size w 650 × h 450 × d 250	
Medium Line Work size w 1550 × h 1500 × d 200	
Large Line Work size w 3200 × h 1520 × d 700	
XLarge Line Work size w 3800 × h 3800 × d 1100	

↓↓ 蒸氣封孔槽

1 1000mm x 1000mm
2 3600mm x 4000mm

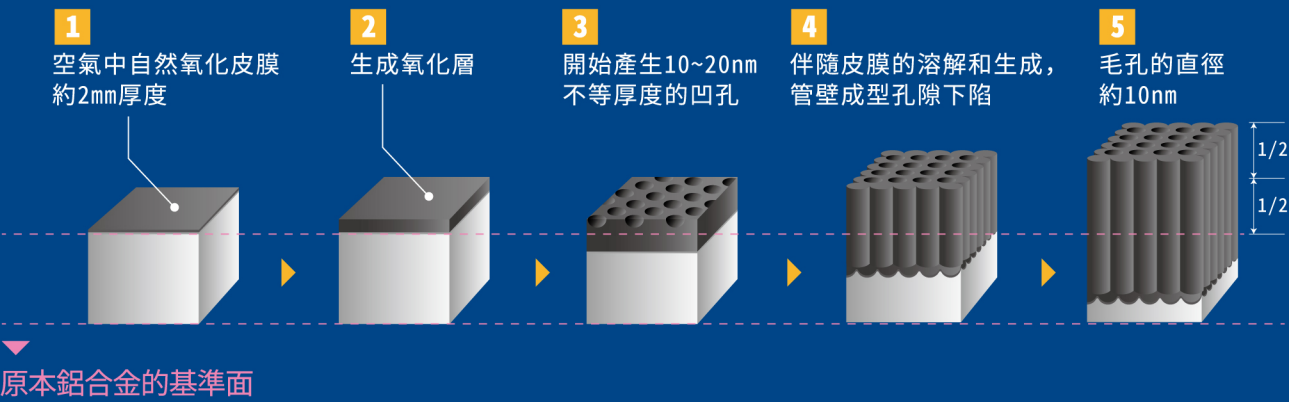
我們有大型生產設備，最大可以處理G10.5需要使用硬膜陽極包含蒸汽封孔的部品零件，以及有一條全新產線預計主要生產處理半導體相關陽極量產品。我們的產品廣泛使用在FPD、半導體業界的設備廠商中，同時也可以提供高品質的陽極再生處理，和對應各種材質使用不同的加工方法。

We have large-scale production equipment that can handle up to G10.5 parts that need to use hard anodes including steam sealing, and a new production line is expected to mainly produce semiconductor-related anode products. Our products are widely used in equipment manufacturers in the FPD and semiconductor industries. At the same time, we can also provide high-quality anode regeneration treatment, and use different processing methods for various materials.

陽極處理工序

脫脂→水洗→酸洗→水洗→活化→水洗→陽極→水洗→封孔→水洗→乾燥

陽極皮膜生成過程



陽極處理的特性

耐腐蝕：未經處理的氧化鋁在化學的活性下，會因為容易和水份、氧氣、化學物質產生反應導致表面變色、發生鏽蝕。透過陽極處理，用化學方式形成安定的氧化膜，再加上封孔處理塞住皮膜的孔隙，來提昇耐腐蝕的特性。

耐磨耗：鋁合金的硬度是Hv20~150之間，在陽極處理後可以提高到Hv200~600的程度，大幅增加耐磨耗的特性。

絕緣性佳：鋁合金是導電金屬，陽極處理後的皮膜形成氧化鋁，具有絕緣特性。

熱傳導：熱傳導率是鋁合金的1/3，具有遠紅外線的高放射率特性，可以提昇加熱器等熱傳導效應。

配合加工廠工作機具

機 具	最大工作尺寸	品質認證	特 色
龍門5面加工機	800 X 3000 X 6500	IS09001	大型製品、高精度Chamber
龍門5面加工機	800 X 3000 X 8000	IS09001	中大型，可對應研磨、焊接
立型旋盤加工機	890 X Φ1250	IS09001	高精度，有三次元測定機
平面研磨機	800 X 2600 X 6000	IS09001	可圓筒研磨Φ250X500
雷射加工機	1220 X 2440	IS09001	可加工0.05~0.3t薄蝕刻品



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