



**鴻億機械工業(浙江)有限公司**

HUNG YI MACHINERY INDUSTRIAL (ZHEJIANG) CO.,LTD.

浙江省嘉善縣惠民街道華山路 18 號

TEL: 0573-84183888

FAX: 0573-84183618

E-mail: HYC@hung-yi.cn



**和緯機械工業股份有限公司**

HEWEI MACHINERY INDUSTRIAL CO.,LTD.

臺灣臺南市永康區和平路 206 巷 20 號

TEL: 06-2539986

FAX: 06-2539958

Email: hw-info@he-wei.com.tw



**HUNG YI  
MACHINERY**





## CONTENTS INTRODUCTION 目录介绍

# HUNG YI MACHINERY INDUSTRIAL

公司自創建以來秉持著精益求精，突破研究開發的精神，提高表面處理技術及產品品質需求。公司客戶群涵蓋了汽機車零部件、緊固件、五金工具、衛浴產品及電子通訊元件等不同領域，業務更遍佈世界各地。今後鴻億更秉持著積極的精神跟態度，提供更好的產品及服務，為更美好的工業生產環境而努力。

Since its establishment, the company has been adhering to the spirit of excellence, breakthrough research and development, and improving surface treatment technology and product quality. The company's customer base covers auto parts, fasteners, hardware tools, bathroom products, electronic communication components and other fields. In the future, hungyi will adhere to a positive spirit and attitude, provide better products and services, and strive for a better industrial production environment.

<b>03</b>	公司概述	Corporate profile
<b>05</b>	公司沿革	Corporate history
<b>05</b>	研發成果	Patents research and development
<b>07</b>	銷售地區	Sales area
<b>09</b>	生產製造	Production machinery
<b>11</b>	龍門式滾鍍設備	Gantry rolling type plating equipment
<b>12</b>	龍門式吊鍍設備	Gantry type racking plating equipment
<b>13</b>	油壓迴轉式電鍍設備	Oil pressure rotary plating equipment
<b>15</b>	擺動式 / 傾斜式夾桶洗色鈍化設備	Swing/tilt type chucking & coloring and passivation equipment
<b>16</b>	自動磷化設備	Automatic phosphating equipment
<b>17</b>	自動單臂式滾鍍設備	Automatic single arm type plating equipment
<b>18</b>	去氫脆化爐	Dehydrogenation oven
<b>19</b>	自動控制系統	Automatic control system
<b>21</b>	自動反清洗過濾機設備	Automatic filtration equipment
<b>22</b>	附屬設備	Accessory equipment
<b>23</b>	附屬設備	Accessory equipment
<b>24</b>	實績展示	Achievement presentation
<b>25</b>	未來展望	Future outlook



HUNG YI MACHINERY  
INDUSTRIAL(ZHEJIANG) CO.,LTD.

## CORPORATE PROFILE

### 公司概述

鴻億機械工業(浙江)有限公司於1997年成立於嘉善縣，專注於表面處理設備的研發、生產及配套服務並進行整廠規劃及輸出。

公司已擁有20余年專業生產經驗，產品廣泛應用於汽車緊固件、零部件、通訊電子、衛浴潔具、五金工具及飛機零部件等不同領域。業務範圍更遍及日本、韓國、香港、新加坡、泰國、印尼、菲律賓、馬來西亞、越南、斯里蘭卡、土耳其、伊朗、西非迦納、南非、中東約旦、德國、荷蘭、墨西哥、巴西、阿根廷、美國等國。

1998年公司以其先進的生產配置、優異的設計能力及良好的管理體制，順利通過了德國TÜV的ISO9001

品質體系認證及歐規CE安全認證，並獲得多項專利。公司秉持著服務客戶的信念，除了為客戶規劃整廠電鍍機械設備、專業技術操作人員培訓、輔導廠商經營生產及解決機械設備發生之問題，並與協力商及客戶間建立良好的互動關係，以達成最有效率之售後服務。

公司全體員工始終秉持著「負責、積極、突破、創新」的經營理念，並以「積極負責、創造價值、滿足客戶、追求卓越」的品質政策來強化企業形象，在公司永續經營的理念下，提升客戶的滿意度為目標，與客戶共享成功，共創價值，共同成長。今後我們將更秉持著以往的精神與態度，為創造出更優質的工業生產環境而努力，提供一流的技術與指導，盼各界不吝賜教。

HUNG YI MACHINERY INDUSTRIAL (ZHEJIANG) CO., LTD. was established in Jiashan County in 1997, is a company that focusing on the research and development, production of surface treatment equipment, provide supporting services, as well as the whole plant planning and output.

Our company already have More than 20 years experiences in manufacturing plating lines, the production engaged in automobile fastener, parts and components, communication electronics, sanitary ware, hardware tools and airplane parts and other fields. Our clients spread over Japan, Germany, Netherlands, Thailand, Singapore, Indonesia, Philippines, Malaysia, South Africa, Jordan in Mideast, Brazil and so on.

In 1998s, because of the advanced producing equipment, excellent designing knowledge and brilliant management, our company was awarded ISO9001 by Germany TUV, EU standard CE safety accreditation and

other numerous patents. We uphold the belief of servicing clients; not only provide overall electroplating full-set & layout facilities, but also technologically professional staff training, give guidance in management and production & mechanical problem solution. In addition, we have built up well-based fundamental relationship and most efficient after-sales services.

All staff always stick to the management goal "responsible, aggressive, breakthrough, innovation" and "take aggressive and responsible attitudes to create values and pursue perfection" to strengthen enterprise image, and set the goal of improve the satisfaction of customers under the management ideal of being forever young & eternal, we grow with customers. From now on, we will still stick to our spirit and attitude, try our best to create more beautiful industry environment, and supply the high-class technology and guidance. We are hoping you advise.

# CORPORATE HISTORY

## 公司沿革



## 設備之研發成果專利

具一體成型導電鋼板的電鍍滾桶	證書號 第 482024 號	斜臂式電鍍桶改良結構	新型第 163410 號
具快速拆裝導電組件的電鍍滾桶	證書號 第 482170 號	斜臂式電鍍桶裝置	新型第 168484 號
新型的電鍍滾桶桶蓋補強防腐裝置	證書號 第 373687 號	電鍍桶防蝕之導電鋼板結構改良（一）	證書號 193007 號
改良的斜臂式電鍍桶	證書號 第 343083 號	電鍍滾桶之結構改良	證書號 201447 號
改進結構的電鍍滾桶	證書號 第 438405 號	電鍍用簡易夾緊裝置	證書號 M259799 號
具導電結構的電鍍滾桶	證書號 第 461450 號	電鍍用濾芯清洗機	證書號 M299041 號
防腐蝕電鍍桶機械	專利號 ZL 97 2 15048.X	電鍍用導電彈片夾緊裝置	證書號 M299167 號
回轉式電鍍機械懸臂導電機構	專利號 ZL 97 2 15037.4	傾斜旋轉式夾桶天車	證書號 M299160 號
電鍍桶機構	專利號 ZL 97 2 15098.6	槽內攪拌專用噴嘴	證書號 M308795 號
斜臂式電鍍桶裝置	專利號 ZL 97 2 18401.5	長杆件專用滾筒	專利號 ZL2009 2 0191425.X
電鍍滾桶之導電結構改良	新型第 179222 號	濾芯清洗機	專利號 ZL2009 2 0191422.6
電鍍滾桶桶蓋補強防腐裝置	新型第 178427 號	傾斜旋轉式夾桶天車	專利號 ZL2009 2 0191424.5
斜臂式電鍍桶之結構改良	新型第 191388 號	上下帶旋轉式夾桶天車	專利號 ZL2009 2 0191423.0

## Research and development achievements PATENTS

Plating barrel with one body formed copper bars/Certificate	No.482024	Optimized frame for beveling arm equipment barrel /Creative Authority	No.163410
Plating barrel with quick disassemble conductive module/Certificate	No.482170	Beveling arm plating barrel device/ Creative	No.168484
New erosion-resistant reinforcement for plating barrel's cover/Certificate	No.373687	Authority Optimized conductive copper bar for plating barrel/ Certificate	No.193007
Beveling armed equipment's barrel optimization/Certificate	No.343083	Optimized frame for plating barrel/ Certificate	No.201447
Optimized structure for plating barrel/Certificate	No.438405	Chucking device for plating/ Certificate	No.M259799
Plating barrel with conductive module/Certificate	No.461450	Cartridge cleaning machine/ Certificate	No.M299041
Erosion-resistant frame for plating barrel/Patent	No. ZL 97 2 15048.X	Conductive chucking device for plating/ Certificate	No.M299167
Conductive module for rotary hanging arm plating line/Patent	No. ZL 97 2 15037.4	Tilt & rotate type chucking crane/ Certificate	No.M299160
Frame for plating barrel/Patent	No. ZL 97 2 15098.6	Air agitation nozzle for tank inside/ Certificate	No.M308795
Beveling plating barrel/Patent	No. ZL 97 2 18401.5	Barrel (for plating long shaped product)/ Patent	No. ZL2009 2 0191425.X
Plating barrel's conductive module optiization /Patent	No.179222	Cartridge cleaning machine/ Patent	No. ZL2009 2 0191422.6
Erosion-resistant reinforcement for plating barrel's cover/Creative Authority	No.178427	Tilt & rotate type chucking crane/ Patent	No. ZL2009 2 0191424.5
Optimized frame for beveling arm equipment barrel /Creative Authority	No.191388	Up & down /rotate type chucking crane/ Patent	No.ZL2009 2 0191423.0

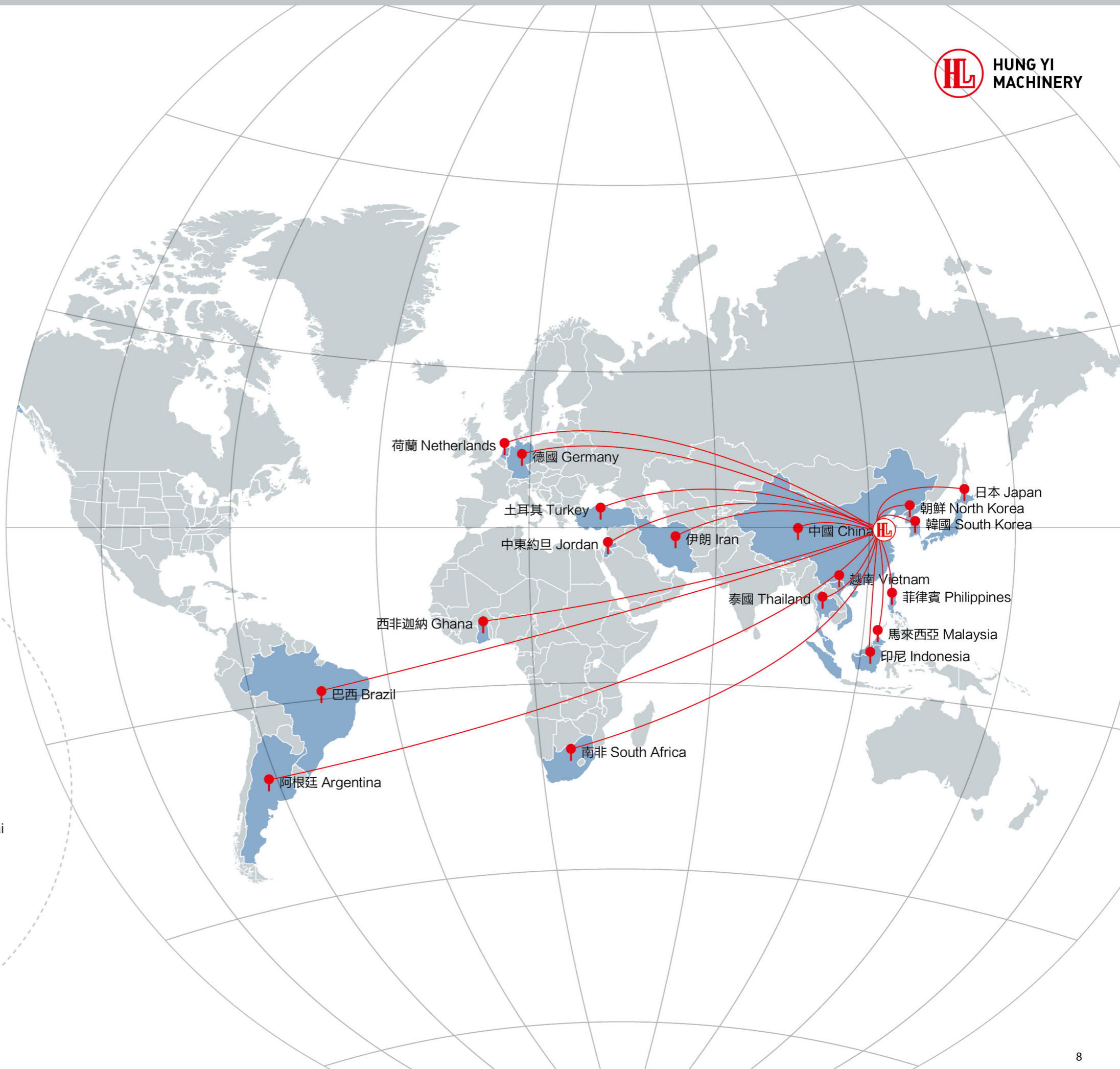
# SALES AREA

## 銷售地區

鴻億機械自 1997 年成立以來，至今在表面處理設備已累積達 20 多年專業生產經驗，產品涵蓋了不同領域，緊固件、汽機車零部件、五金配件、眼鏡、衛浴、鎖具、端子、半導體、CAP、CHIP 及導線架等。業務範圍除臺灣大陸地區外，更遍佈世界各地，如日本、韓國、香港、新加坡、泰國、印尼、菲律賓、馬來西亞、越南、斯里蘭卡、土耳其、伊朗；西非迦納、南非、中東約旦、德國、荷蘭、墨西哥、巴西、阿根廷、美國等等。

Hung Yi hundred million machinery accumulated since 1997 since its establishment, has accumulated in the surface processing equipment more than 20 years of professional experience in production, product covers different areas, fastener, vehicle spare parts, hardware accessories, glasses, sanitary ware, locks, terminals, semiconductor, CAP, CHIP and wire rack, etc.

In addition to the mainland, the scope of our business is spreading to all over the world, such as Japan, South Korea, Hong Kong, Singapore, Thailand, Indonesia, Philippines, Malaysia, Vietnam, Sri Lanka, Turkey, Iran, Ghana of West Africa, South Africa, Jordan in Mideast, Germany, Netherlands, Mexico, Brazil, Argentina, America and so on.



# PRODUCTION MACHINERY

## 生產製造

### 全方位製程

- **標準化作業流程**  
從業務接單報價、設計研發、生產製造及出貨安裝等均由一貫作業人員及電腦管制。
- **專業的設計團隊**  
運用繪圖軟體，針對不同的客戶需求，設計客戶所需之電鍍廠規劃及設備流程圖，規劃出最合適的方案。
- **豐富的製造經驗**  
公司擁有多年的生產及製造經驗，並依客戶反映不斷地改善及優化產品。
- **完整的生產製程**  
公司擁有各種製造器具及加工設備，如：油壓沖剪機、自動接板機、自動裁板機、自動彎板機、CNC 數控銑床、電離子切割機、塑料焊接機等。
- **嚴謹的品質測試與檢驗**  
從原材料的選用到設備出廠前的測試，均由專業人員嚴謹的品質測試及檢驗。
- **快速維修服務響應**  
完整的產品履歷紀錄及易損件庫存，可提供完善的售後服務及遠程技術支持。

### Manufacture procedure

- **Standardized production process**  
From receive orders and quote, design, research and development, production-manufacturing, delivery and installation, all have operators and computer control.
- **Professional design team**  
Using drawing software to design the plan and flow chart of electroplating equipment that required by customers, plan out the most appropriate solution for different customer needs.
- **Extensive production experience**  
Company has many years production and manufacturing experience, and we constantly improve and optimize the product according to the customer response.
- **Complete production process**  
Company has a variety of manufacturing equipment and processing equipment, such as: oil pressure punching shearing machine, Auto Plate Welding Machine, Auto cutting plate machine, Auto bonder, CNC Engraving Machine, electric ion cutting machine, Plastic welding machine and so on.
- **Rigorous quality testing and inspection**  
From the selection of raw materials to the testing of the equipment before delivery, the inspection is highly rigorous.
- **Rapid maintenance service response**  
Complete product resume record and consumption stock, can supply complete after-sales service and remote technical support.



半自動鋸料機床  
Saw machine



拋丸機  
Shot blasting machine



火焰 + 離子切割機  
Flame engraving machine



粉體塗裝設備  
Powder coating equipment



自動焊接手臂  
Automatic welding arm



自動接板機  
Automatic plate picker



CNC 數控銑床  
CNC milling machine



CNC 數控銑床  
CNC milling machine



自動打孔機  
Automatic punching machine



自動倉儲  
Automatic warehousing

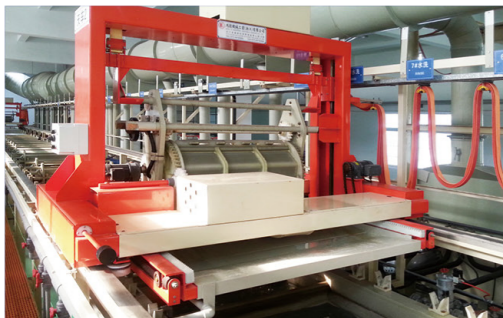
# GANTRY ROLLING TYPE PLATING EQUIPMENT

## 龍門式滾鍍設備



- 適用領域廣泛, 可用於各種大小及形狀特殊工件之電鍍或清洗處理。
- 電鍍流程可依作業需求隨時變換程式, 並可搭配人機介面或 PC 監控等系統。
- 可依需求製作上軌或下軌式等機型。
- 廣泛應用在緊固件、零部件及五金配件類等。
- 依工件特性搭配各類滾桶。

- Applicable for plating or washing various sizes and special shape of products.
- Can make upper rail or down rail type according to your requirement.
- According to the characteristics of products to cooperated with all kinds of barrel.
- The computer program can be modified in any time which based on the requirement of plating process. It can set up different programs and combine with HMI、PC supervisory control and other system.
- Widely used in fasteners、parts、and hardware.



# GANTRY TYPE RACKING PLATING EQUIPMENT

## 龍門式吊鍍設備

- 適用於各種大型、形狀特殊工件或外觀件。
- Applicable for big size、special shape、and diversified product.
- 可依需求製作上軌或下軌式等機型。
- Can make upper rail or down rail type according to your requirement.
- 可依工件特性設計相應掛具。
- Can make racks according to the characteristics of the product.
- 電鍍流程可依作業需求隨時變化程式, 並可搭配人機介面或 PC 監控等系統。
- The computer program can be modified in any time which based on the requirement of plating process. It can set up different programs and combine with HMI、PC supervisory control and other system.
- 亦可應用於鋁陽極處理、塑膠電鍍及各式合金電鍍。
- Can also be used in aluminum Anode Treatment、Plastic plating and various types of alloy electroplating.



# OIL PRESSURE ROTARY PLATING EQUIPMENT

## 油壓迴轉式電鍍設備



HUNG YI  
MACHINERY

- 適合生產電鍍產品種類單純，無需變換流程者。
- 結構設計簡單，以油壓控制升降及移行，運轉平穩無聲。
- 生產效率高，亦可搭配交換車，實現轉掛節省人力。



- Applicable for plating simplex product is without process change.
- Structure design is simple, control up/down & transversal move by hydraulic, running smoothly and silently.
- High efficiency, it can save manpower by cooperating with exchange car to realize transfer hanging.



HUNG YI  
MACHINERY



# SWING/TILT TYPE CHUCKING & COLORING AND PASSIVATION EQUIPMENT

## 擺動式 / 傾斜式夾桶洗色鈍化設備



HUNG YI  
MACHINERY

# AUTOMATIC PHOSPHATING EQUIPMENT

## 自動磷化設備



- 適用於磷化處理工件，鋅系錳系均適用。
- 可使用 PP 或不銹鋼滾桶，亦可選用籃框等其他方式。
- 流程可依作業需求隨時變換程式，並可搭配人機介面或 PC 監控等系統。
- Applicable for phosphate process product, and it also applicable for Zinc and Manganese series.
- Can use by PP or stainless steel barrel, basket, etc.
- The computer program can be modified in any time which based on the requirement of plating process. It can set up different programs and combine with HMI, PC supervisory control and other system.



HUNG YI  
MACHINERY

- 應用於工件之鈍化處理。
- 依工件特性實現不同動作如上下擺動、傾斜旋轉等動作。
- 可搭配全自動化控制脫水機及乾燥設備。
- 流程可依作業需求隨時變換程式，並可搭配人機介面或 PC 監控等系統。
- 亦可用於清洗、脫水或脫油等應用。

- Applicable for passivation of product.
- Can do different movements such as swinging up and down, tilting rotate according to the characteristic of product.
- Can be cooperating with fully automatic dehydrator and drying equipment.
- The computer program can be modified in any time which based on the requirement of plating process. It can set up different programs and combine with HMI, PC supervisory control and other system.
- Also can used for cleaning, dehydrating or degreasing and so on.

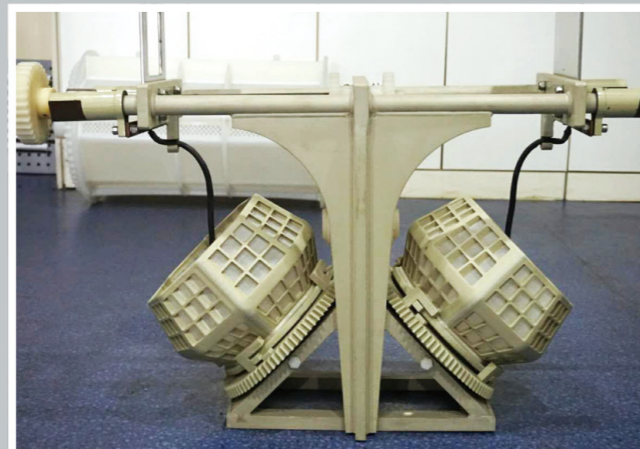


# AUTOMATIC SINGLE ARM TYPE PLATING EQUIPMENT

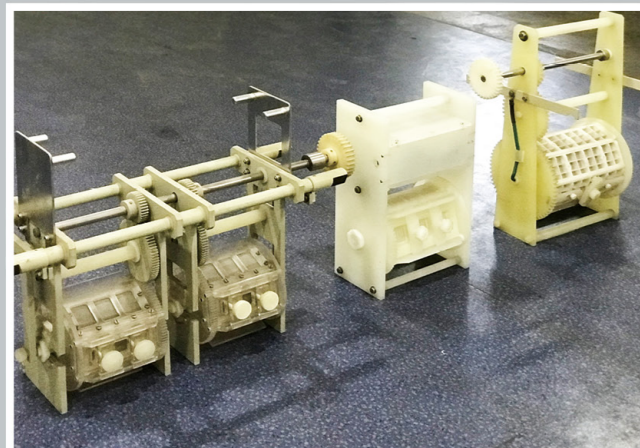


## 自動單臂式滾鍍設備

- 適用於產品細小、精密、均一性要求高的等細小工件。
- 依工件特性搭配各類滾桶。
- 結構採用單臂式的設計，操作方便易於管理，設備精簡不占空間。
- 廣泛應用在通訊電子類工件，尤其以貴金屬居多如金、銀、鎳等。
- 電鍍流程可依作業需求隨時變換程式，並可搭配人機介面或 PC 監控等系統。



- Applicable for fine, precision, uniform and other fine products.
- According to the characteristics of the product to cooperate with all kinds of barrel.
- Structure adopt the design of single arm, it is easy to operate and manage, the compact equipment is non-occupancy of space.
- Widely used in communication electronics, especially in noble metal such as: gold, silver, nickel and so on.
- The computer program can be modified in any time which based on the requirement of plating process. It can set up different programs and combine with HMI, PC supervisory control and other system.



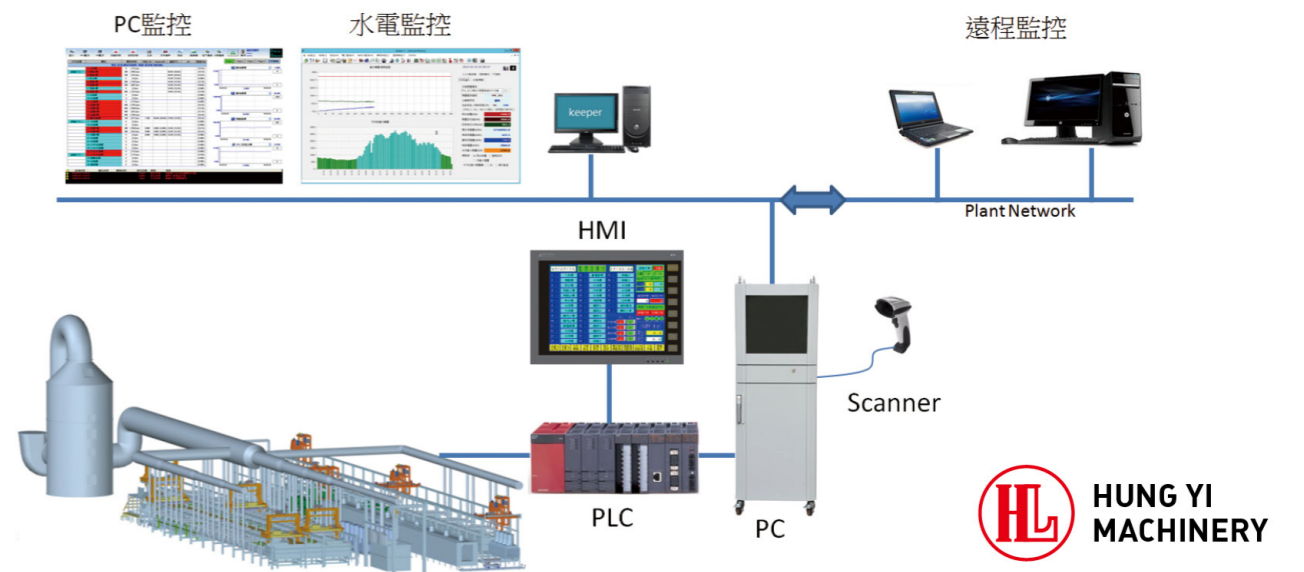
# DEHYDROGENATION OVEN 去氫脆化爐

- 採用不銹鋼內籃方式連續去除氫脆化。
- 去氫脆化時間可調，高效能保溫節能設計。
- 可依不同客戶需求採用雙層式或雙排式設計
- 全自動控制，溫度連續紀錄。



- Adopt the way of stainless steel basket continuous dehydrogenating.
- The dehydrogenating time is adjustable and high efficiency insulation and energy-saving design.
- Can design into 2 layers or 2 rows according to customer's need.
- Full-automatic control, temperature continuous recording.



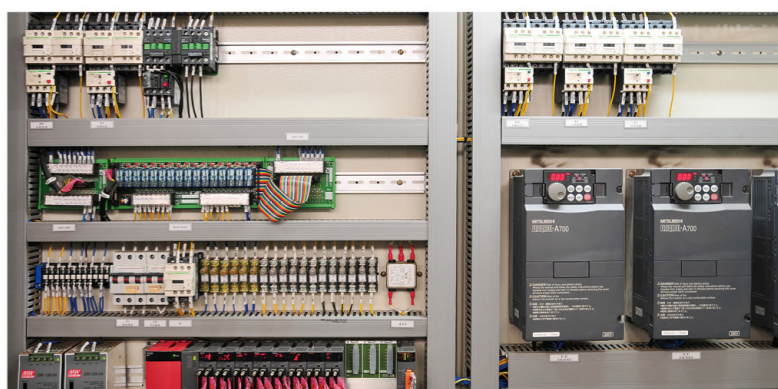
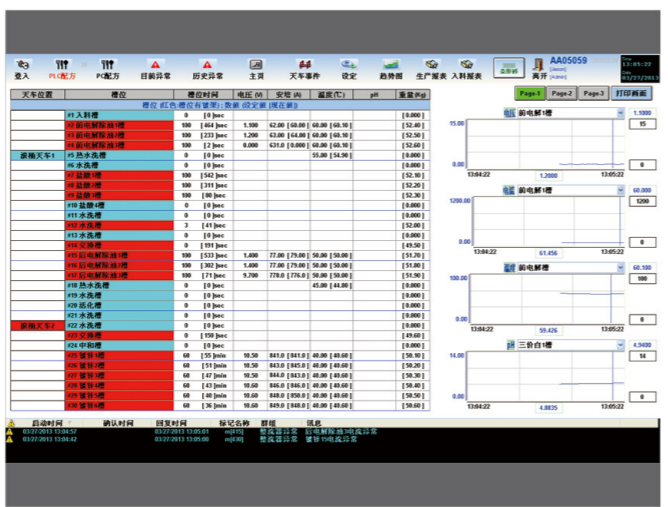


- 採用 PLC 主控及人機圖形監控整合系統
- 聲音及視覺警報及異常紀錄
- 元件開關控制及參數設定
- 產品組別及工藝流程選擇
- 自動加藥及溫度控制
- 整流機通訊控制及周邊控制
- 上料機構控制與秤重管理
- 用戶權限及密碼設置
- PC 遠端監控及資料收集
- 生產報表履歷及記錄追溯
- 工藝流程編輯及儲存
- 各種參數紀錄
- 多語言選擇
- 可選用條碼機入料作業
- 遠程訪問及診斷
- 電力監控選擇



# AUTOMATIC CONTROL SYSTEM

## 自動控制系統



# FILTRATION EQUIPMENT

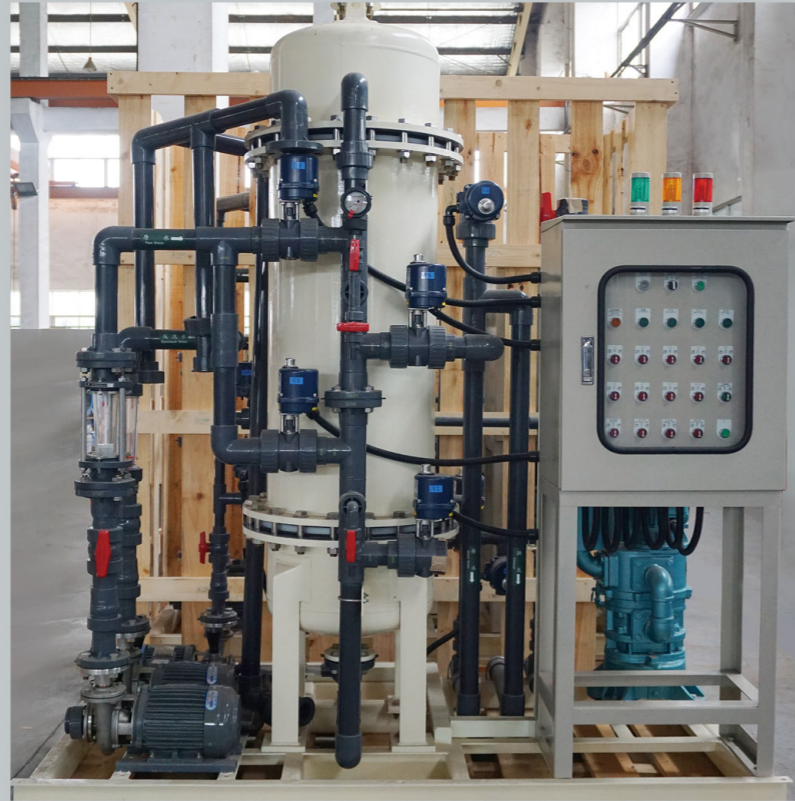
## 過濾機設備

### AUTOMATIC REVERSE WASHING FILTER

#### 自動反清洗過濾機

#### 核心特點 Features

- 全自動逆洗
- 免人工清洗
- 過濾效果佳
- 節省操作成本
- Reverse Washing
- No need manpower for cleaning
- Excellent filtration efficiency
- Saving operation costs



### MICRO FILTER DIAPHRAGM FILTER

#### 微濾膜片過濾機

#### 核心特點 Features

- 過濾面積大
- 耗材成本低
- 廢棄物拋棄量少
- 乾式環境操作
- 過濾精度可變 (紙 / 膜)
- Maximum Filtration Area
- The Lowest Cost of Consumables
- Minimum Waste Disposal
- Clean Operating Environment
- Accuracy can be changed
- Filter paper (medium-precision)
- Filter membrane (high-precision)



# ACCESSORY EQUIPMENT

## 附屬設備



脫水機  
Dehydrator



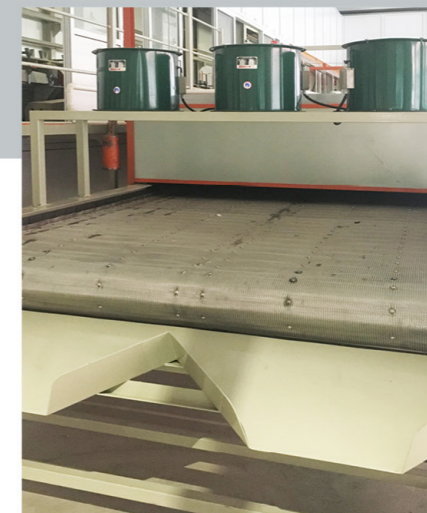
傾斜式脫水機  
Tilting dehydrator



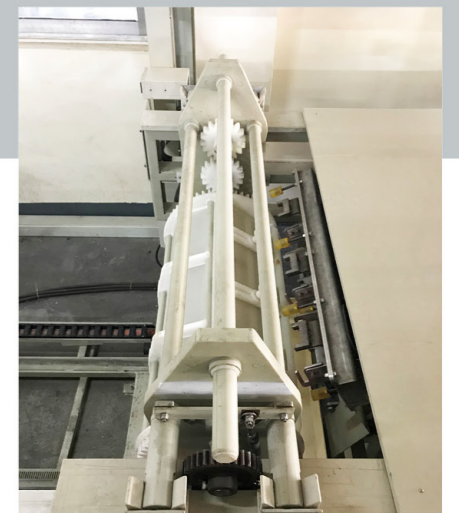
電熱熱風機  
Electric heater



上料機構  
Loading device



網帶爐  
Oven



自動開關蓋  
Automatic barrel cover

# ACCESSORY EQUIPMENT

## 附屬設備



整流機  
Rectifier



過濾機  
Filter



槍型熱風機  
Dryer



冷凍機  
Chiller



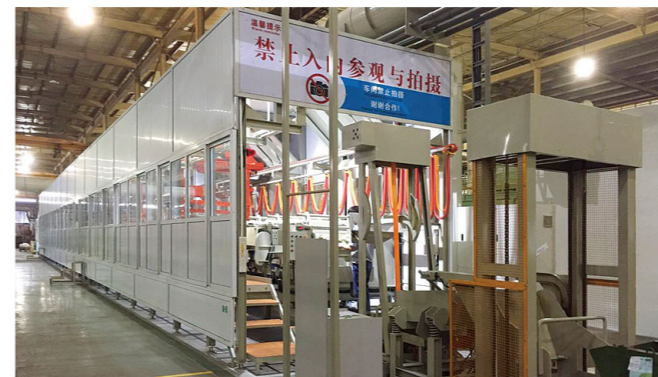
廢氣設備  
Exhausts



廢水設備  
Water treatment

# ACHIEVEMENT PRESENTATION

## 實績展示



## Management Philosophy

### 負責·積極·突破·創新

HUNG YI MACHINERY INDUSTRIAL (ZHEJIANG) CO.,LTD. has always held the principles of services for customers, including overall electroplating full-set & layout facilities, technologically professional staff training, down-river factory production management auxiliaries and mechanical problem solution. Consequently, we have built up well-based fundamental relationship and most efficient after-sales services.

To promote enterprise image, all staff always stick to the management goal "Responsible, Aggressive, Breakthrough, Innovation" and "Take aggressive and responsible attitudes to Create values and Pursue Perfection" and meanwhile by which to meet customers' satisfaction under the management ideal of being forever young & eternal. From the moment on, plating is no more regarded as heavy-pollution industry.

Instead, we always with all our efforts dedicate to the global by environmental protection which we can keep a more "cleaner, healthier, nicer" living space for future generation.

鴻億機械工業（浙江）有限公司秉持著服務客戶的信念，除了為客戶規劃整廠電鍍機械設備、專業技術操作人員培訓、輔導廠商經營生產及解決機械設備發生之問題，並與協辦商及客戶建立良好的互動關係，以建立最有效率之售後服務。

公司全體員工始終秉持著『負責、積極、突破、創新』的經營理念，並以「積極負責、創造價值、滿足客戶、追求卓越」的品質政策來強化企業形象，與客戶共同成長。在公司永續經營的理念下提升客戶的滿意度為目標，並進而回饋社會。從現在起電鍍行業將不再被視為是高污染的行業，我們將貫徹這個概念為全球的環境保護工作貢獻心力，以期留給下一代更“純淨、健康、美好”的生活空間。

## Future Outlook

### 未來展望

Take aggressive and responsible attitudes to Create Values, Satisfy Customers, and Pursue Perfection.

- Customers' satisfaction is our final goal.
- Continual research and development to upgrade quality superiority.
- We keep the management philosophy pursuing "responsibility, aggressiveness, breakthrough, innovation" in surface treatment technology.
- 客戶的滿意是我們最終的目標。
- 不斷研究開發，提升品質的優越性。
- 我們秉持“負責、積極、突破、創新”的經營理念，以提升表面處理專業技術。