

# CTS 納米銀鏡塗裝技術

CTS nanometer spray plating technology

## 替代電鍍、無污染、綠色環保

Electroplating substitute, no pollution, environmental protection



**亿豪科技涂装有限公司**  
Yihao Technology Coating Co., Ltd.  
**西迪艾史納米科技有限公司**  
CTS Technology International Ltd.

Color  
Transform  
Service

追求表面處理的新時代  
Create the New ERA of surface treatment technique



**亿豪科技涂装有限公司**  
Yihao Technology Coating Co., Ltd.

**西迪艾史納米科技有限公司**  
CTS Technology International Ltd.

TEL: (0769) 83303056 88903086  
(0769) 88903056

Fax: (0769) 88903083

Website: www.yhcts.com

E-mail: cts@yhcts.com

廠址: 中國廣東省東莞市寮步鎮橫園工業區

莞樟路良平段16號(542309)

ADD: No.16, Liangping Duan, Guanzhang Road,  
Lingxia Industrial Zone, Liaobu Town, Dongguan City,  
Guangdong Province, China(542309)

臺灣臺南公司:  
地址: 71752 臺南市仁德區新田路101號  
Head Office: NO.101, Sintian Rd., Rende Dist,  
Tainan City 71752, Taiwan, (R.O.C)  
電話: +886-6-2709471 傳真: +886-6-2705038  
Website: www.yhcts.com  
E-MAIL: ciffel@yhcts.com.tw

International Business Dept.  
國際貿易部  
John Chen (Taiwan Desk)  
TEL: +886-6-2709471 +886-929330011  
FAX: +886-6-2705038  
E-mail: john@yhcts.com

Willie Tan (Singapore Desk)  
TEL: +65-96954447  
E-mail: Willie@yhcts.com

蘇州惠德轉印科技有限公司  
江蘇省蘇州太倉市北京西路12號  
TEL: 0512-53372189 FAX: 0512-53372199  
Email: wtp@yhcts.com

江蘇億豪納米科技有限公司  
地址: 江蘇太倉市龍太路太豐社區居民委員會內  
電話: 0512-53408977 傳真: 0512-53407223  
Http://www.szdlis.com E-mail: wh@szdlis.com

浙江豐泰納米科技有限公司  
地址: 浙江安吉孝豐竹產業園區  
電話: 0572-5507597 傳真: 0572-5507601  
E-mail: yihaokejil123@zjma.com

寧波西馬特電機制造有限公司  
地址: 浙江寧波藍浦開發區A區1號  
TEL: 0574-86506323

山東億豪納米科技有限公司  
山東省臨沂市高新區雙月湖路與火炬路交匯西行500米  
TEL: 0539-7979791

India (印度)  
Briisa Enterprises  
Contact Person: Hemal Gilitwala  
Mobile: +91 9820055759  
E-Mail: briisa\_ent@hotmail.com

Address:  
Plot no - 62/A, Kandivali co-op Industries,  
Bhabrekar Nagar, Charkop, Kandivali (W)  
Mumbai 400067, INDIA  
TEL: +9122 - 28676914/15/16  
FAX: +9122 - 28676911

Indonesia (印度尼西亞)  
Bintang Permata Semesta pt.(New Star Chemicals)  
Contact Person: Aries Hanstien, SE, MM  
Address1:  
JAKARTA: Jl. Taman Puit Kencana Dalam No.8 - Jakarta Utara 14450  
TEL: 62.21.6690780  
FAX: 62.21.6693096  
HP: 0812 1227437

Address 2:  
SURABAYA: Jl. Ngagel Jaya Indah A/15 - Surabaya 60284  
Tel: 62.31.5022801  
FAX: 62.31.5023331  
Http://www.newstar-chemicals.com  
E-mail: aries@newstar-chemicals.com



**納米銀鏡塗裝**  
Nanometer Spray Plating

替代電鍍 無污染 綠色環保  
Electroplating substitute Environmental friendly

3D立體 鐳射光感  
3D Hologram

**鐳射水轉印**  
Laser Water Transfer Printing



# 公司簡介 Introduction

臺灣CTS億豪納米科技股份有限公司，有30多年生產歷史和豐富的銀鏡塗裝經驗，在銀鏡塗裝行業有著世界領先的技術。我們能夠為客戶提供專業解決方案和快速的技術支持，並努力為客戶提供最先進技術以及品質穩定，性能優的產品和優質的服務，“提升客戶產品價值，推動行業發展”是我們的宗旨。

With 30 years of production history and coating experience, CTS Technology International Ltd. has leading technology in coating industry around the world. We can supply customers with professional solutions and rapid technical support, making an effort to provide customers with the most advanced technology, stable quality and good performance products and high quality service. Our tenet is "upgrade of the product value for customers, and the development of surface finish industry."

## 最新技術和產品

### NEW TECHNOLOGY AND PRODUCT

- 一、綠色環保，高級納米銀鏡塗裝技術，設備和相關產品；  
Environmental and high-class nanometer spray plating technology, equipment and relevant product;
- 二、個性化彩繪，數位無版定位水轉印技術，設備和相關產品；  
Individualized colored drawing, digital positioning water transfer printing technology, equipment and relevant product;
- 三、液體自動銀鏡塗裝、粉體靜電銀鏡塗裝、電泳銀鏡塗裝等其他各式表面處理設備及耗材。  
Other kinds of surface treatment equipments and materials such as liquid automatic coating, powder coating and electro-coating, etc.

## 主要業務有：技術轉移，整廠輸出，耗材銷售及打樣與加工等業務。

Main businesses: Technology transfer, whole-plant layout, materials selling, and sample supply, etc.

## 一、綠色環保，納米銀鏡塗裝技術與設備 ENVIRONMENTAL AND NANOMETER SPRAY PLATING TECHNOLOGY, EQUIPMENT

### ★銀鏡塗裝設備介紹

#### Introduction of nanometer spray plating equipment

CTS銀鏡塗裝設備是本公司為銀鏡塗裝專門設計和製造的。利用該設備可以將銀鏡塗裝技術充分發揮。

CTS nanometer spray plating equipment is specially designed and manufactured for spray coating.

With this equipment, the spray plating technology can be fully exerted.

## 提升客戶價值 美化人們生活

UPGRADE OF CUSTOMERS' VALUE, BEAUTIFICATION OF PEOPLE' LIFE

CTS高科技！高效率！前面優質的服務是您理想的選擇！

CTS high technology! High efficiency! The high quality service in front of you is your ideal choice!



2014年SGS檢測報告  
2014 SGS Report



2014年SGS檢測報告  
2014 SGS Report



2014年SGS檢測報告  
2014 SGS Report



大陸噴鍍專利  
NSP Patent of China



臺灣噴鍍專利  
NSP Patent of Taiwan



2008年第二十一屆廣州國際表面塗裝展  
2008 year 21st international surface coating exhibition of Guangzhou



2009年第八屆表面塗裝展  
2009 Eighth Surface Painting Exhibition



2010廣州國際汽車改裝展暨會  
2010 Guangzhou International Automobile Exhibition



2010年第二十三屆中國廣州國際表面處理展  
The 23rd SFCHINA2010



2011年印度國際表面處理展  
ISF 2011 Indian Surface Finishing



2012年第七屆廣州國際汽車後市場博覽會  
In 2012 seventh Guangzhou international automotive aftermarket Exhibition



2012年東莞厚街華南國際電鍍工業、表面處理展  
In 2012 the Dongguan Houjie Southern China international electroplating industry, surface treatment exhibition



2012年第25屆中國國際表面處理展  
2012 SFCHINA 25th



2012印尼工具及機器展  
Manufacturing & Machine Tool 2012 Indonesia Exhibition

注：以上數據僅供參考



## ★ 納米銀鏡塗裝技術介紹

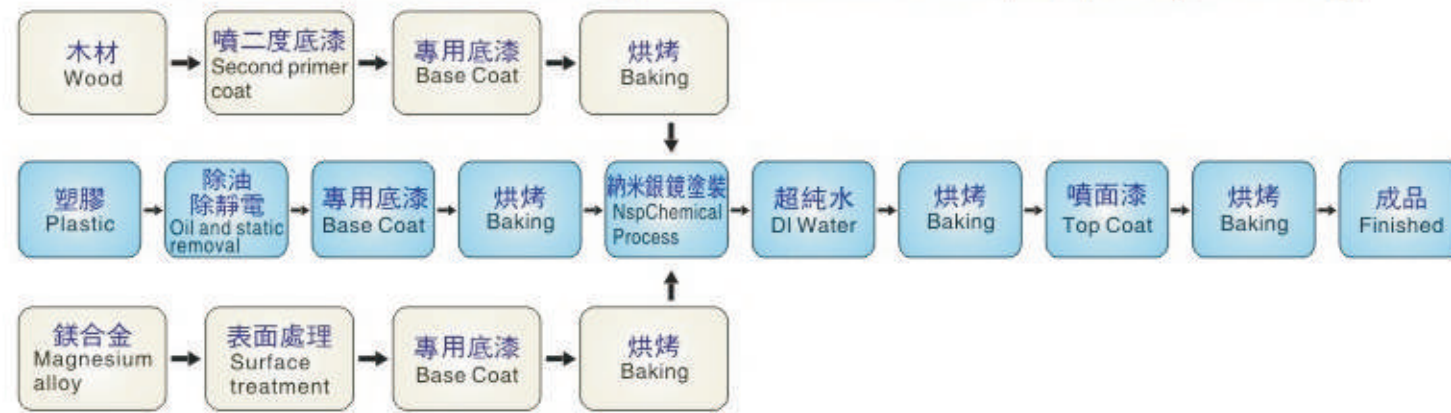
### INTRODUCTION OF NANOMETER SPRAY PLATING TECHNOLOGY

CTS納米銀鏡塗裝是替代傳統電鍍的一種高科技技術，通過噴塗達到電鍍效果，其不含重金屬，沒有三廢排放，此技術的誕生避免了傳統電鍍工藝引起的一系列環境污染問題。是繼電鍍、真空鍍、水電鍍之後的一項技術創新。

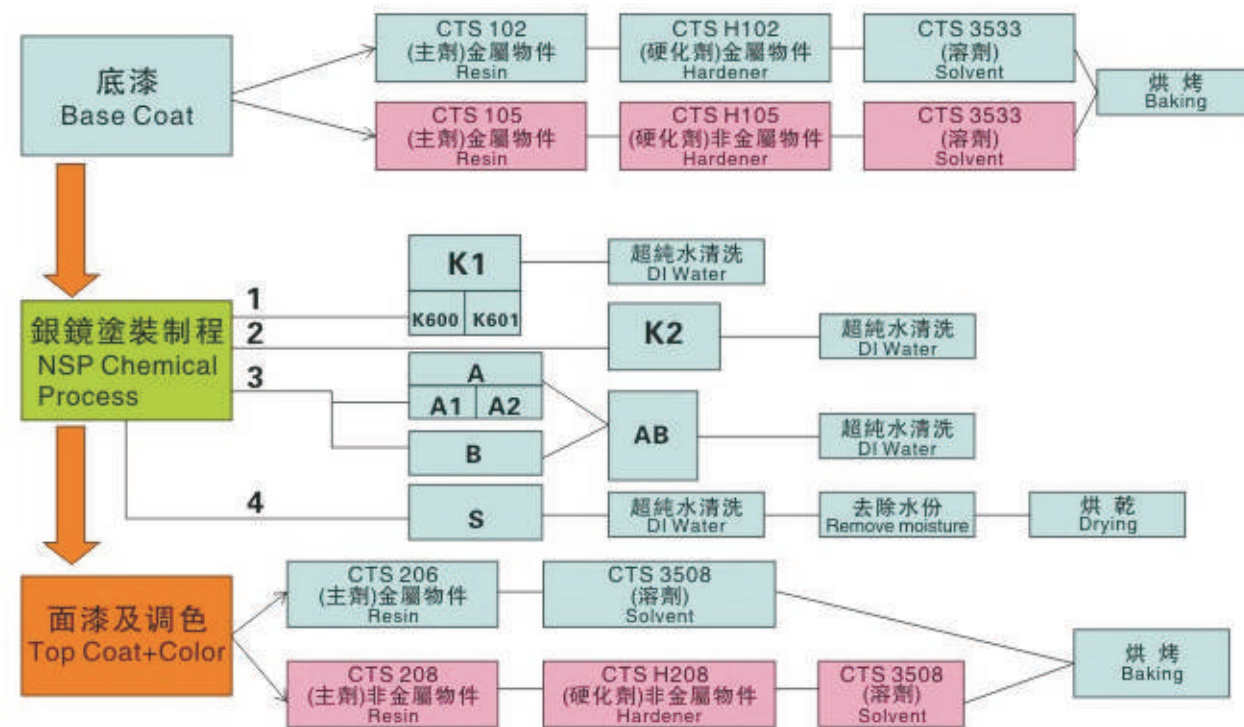
CTS Nanometer spray plating technology is a kind of high technology of spray plating substituting for traditional electroplating technology, with the distinct characters of no heavy metal and no three discards emitting which leads to a technology revolution completely taking the place of electroplating. The invention of this technology effectively avoid a sequence of environment pollution problems caused by traditional electroplating craft, and it is whole newly technology innovation after electroplating and vacuum metallization.

## 納米銀鏡塗裝工藝三塗三烤流程

### Three coating and three baking process of nanometer spray plating technology



## 納米銀鏡塗裝三塗三烤制程說明



## 納米銀鏡塗裝自動生產案例

### Automatic Line of Nanometer Spray Plating

納米銀鏡塗裝自動線案例一：寧波億豪  
NSP Automatic Coating Line: Case 1



納米銀鏡塗裝自動線案例二：安吉億豪 NSP Automatic Coating Line: Case 2



上料區  
Loading

底漆噴塗區  
Base Coating

銀鏡塗裝區  
NSP Chemical Process

下料區  
un-loading

檢查包裝區  
QC and Packing



納米銀鏡塗裝手動線案例一：  
專業制作塑膠某公司  
NSP Manual Coating Line: Case 1





## 納米銀鏡塗裝自動生產案例 Automatic Line of Nanometer Spray Plating

納米銀鏡塗裝自動線案例三: NSP Automatic Coating Line: Case 3



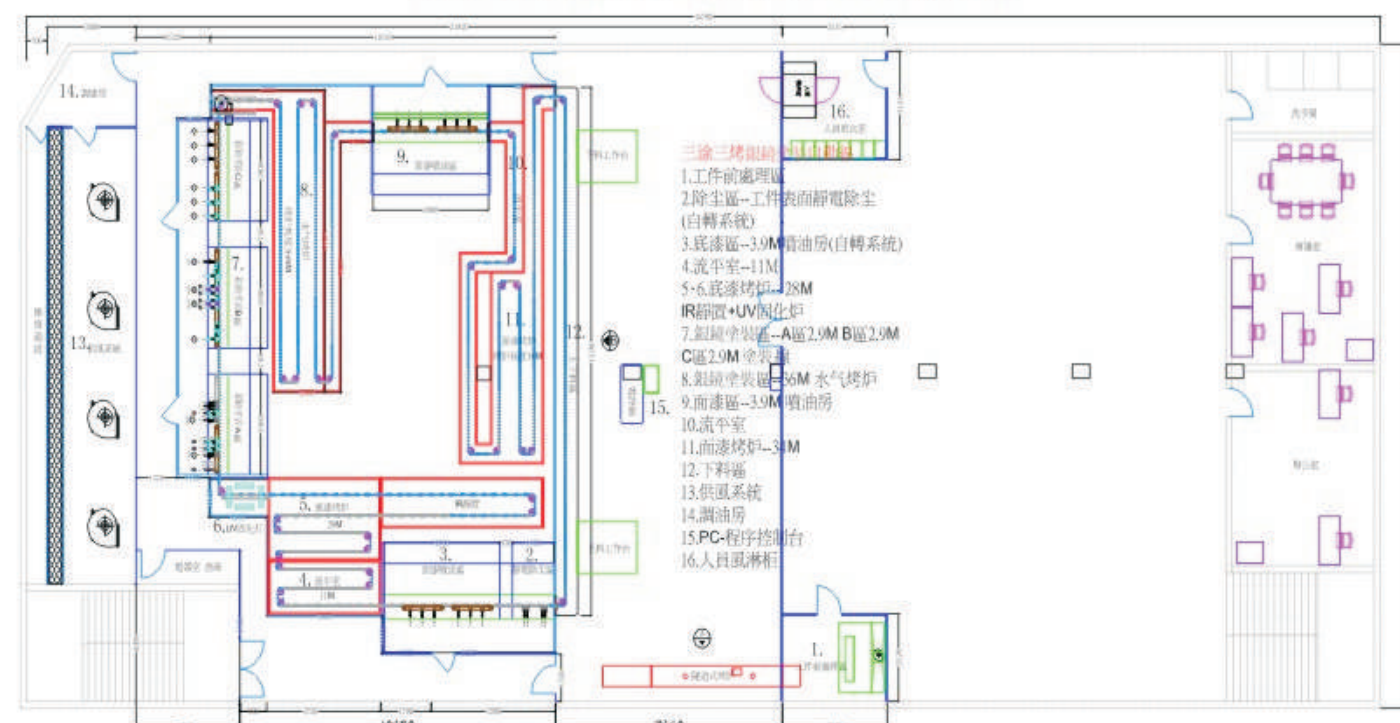
納米銀鏡塗裝自動線案例四: 山東億豪 NSP Automatic Coating Line: Case 4



納米銀鏡塗裝手動線案例二: 專業制作燈飾某公司 NSP Manual Coating Line: Case 2



## 納米銀鏡塗裝自動線 The Desing of NSP automatic Coating Line



注: 以上數據僅供參考

## 納米銀鏡塗裝的多項優點 VARIOUS ADVANTAGES OF NANOMETER

### 1、綠色環保

Green environment protection

CTS納米銀鏡塗裝所採用的是一種特制水性溶液, 不含任何有害重金屬, 無毒無公害, 無三廢排放, 無任何污染。

CTS nanometer spray plating use a kind of special watercraft solution, with no any harmful heavy metal and social effects of pollution and innocuity, also without three discards emitting and any pollution.

### 2、操作安全、簡單、高效

Safety and easy and efficient in operating

銀鏡塗裝設備既安全又簡單, 銀鏡塗裝無需做導電層, 加工顏色隨心所欲, 可定位銀鏡塗裝, 良率高, 可返工, 素材可回收再利用。如不小心噴到手上或身上, 也不會有任何傷害。

CTS spray plating equipment is both safe and simple, no need of conduct coating while operating, any kinds of color is achievable, positioned spray plating can be done, and it is high in super quality and also can be redone even if there is any defective, in addition the material is reclaimable and reusable. No any harm to human even though sprayed to hands or any other parts of body by carelessness.

### 3、投資少, 成本低

Less investment and Low in cost

一套CTS銀鏡塗裝系統設備與電鍍的一套系統設備相比, 價格要低上幾十倍, 電力、人力等各種能源消耗也要低很多, 產品銀鏡塗裝加工成本也僅為傳統電鍍的50%, 綜合成本更低。

Compared with a set of electroplating system equipment, the price of a set of CTS spray plating equipment is several ten times less, and it is also much lower in all kinds of energy source such as electricity and workforce, meanwhile the cost of spray plating is only half of which for traditional plating, say nothing of compounded cost.

### 4、卓越的物理性質

Excellent physical characters

CTS納米銀鏡塗裝制品具有優異的耐候、耐磨和耐衝擊等物理性能, 其綜合物理性能不亞于電鍍制品。完全滿足國內外大型汽車生產廠商和大型電器生產廠商等精密產品的要求。

CTS nanometer spray plating products have excellent physical characters of climate resistance and adhesiveness resistance and water resistance and so on, its compounded physical function is equal to electroplating products. So there is no question of meeting the needs about exactitude products of great car manufacturers both from foreign and domestic and electrical manufacturers.

### 5、廣泛的適用範圍

Wide application scope

CTS系統技術廣泛適用於金屬、塑料、樹脂、木材、玻璃、石膏、陶瓷等各種材料, 主要應用於汽車、電器、計算機、手機、飾品、高檔家具、工藝品等行業。

CTS system can spray on ABS, PC, PP+PS carbon rosin, metal glass, pottery, wood, etc. It is mainly applied in the lines of automobile, electrical machine, computer, mobile phone, decoration, top-class furniture, artwork and so on.

注: 以上數據僅供參考



## 6、適合自動化，量產化需要

Flexible scale-Automatic and mass production

CTS系統適合少量多樣的個性化噴塗，也適合大批量生產線的需要，我們會根據客戶的需要及產品的多樣化，作業環境和作業條件等情況，為客戶提案設計適合生產作業的銀鏡塗裝設備，如自動化機，量產化及生產線設備裝置，無塵噴房和烤爐等接口設備。

CTS spray plating system is applicable to not only few multiple individualized coatings but also the demands of large scale product line. We can supply customers with spray plating equipments applicable to production according to their requirements, product diversification, working environment and operating condition, such as automatic, scale production and product line equipments, and peripheral equipments of dust free printing room and oven.

## 7、EMI

納米銀鏡塗裝EMI具有高導電性和高電磁屏蔽效率等特點，廣泛應用於通訊產品（移動電話）、電腦（筆記本）、便攜式電子產品、消費電子、網絡硬件（服務器等）、醫療儀器、家用電子產品和航天及國防等電子設備的EMI屏蔽。

Nanometer spray plating EMI has the specialty of high electrical conductivity and high efficiency of electromagnetism shield, which is widely applied to EMI shield of communicate products(mobile), computer (notebook computer), hold type electronic products,consumption electronics, net hardware (server), hospital equipment, household-use electronics and aerospace and national defense electronics equipments.

### 傳統電鍍與CTS納米銀鏡塗裝的對比

CONTRAST BETWEEN TRADITIONAL ELECTROPLATING AND CTS NANOMETER SPRAY PLATING

序號 NO	傳統電鍍 Traditional electroplating	新型納米銀鏡塗裝 Nanometer spray plating
1	污染嚴重 Serious pollution	綠色環保，沒有三廢排放，不含重金屬。 Green environment protection, no heavy metal, no three discards emitting
2	顏色加工難度大 Hard to control color	加工顏色隨心所欲，可呈現金、銀、鎳、銅、及各種色彩。 Plate what color one need easily, such as colors of gold, silver, chrome, brass...
3	不良率高，不可返工 High percentage in defective, unable to be reworked	良率高，可返工。 High percentage of super quality and it is reworkable.
4	物理性質較差 No good of physical characters	優異的耐候，耐磨和耐衝擊等物理性能。 Climate resistance, adhesiveness resist-ance and water resistance
5	投資大，成本高。 Much investment and high cost	投資少，成本低。 Less investment and low cost
6	原材料不可以回收再利用 Material can not be reclaimable and reusable	原材料可回收再利用，不良品可以返工重復利用。 Material can be reclaimable and reusable, defective products can be redone
7	操作不安全，如接觸到人體，會產生一定的危害。 Not safe to operate and can cause harm to body	使用安全，如不小心噴到手上或身上，也不會有任何傷害。 Safe to operate, no any harm to body even if sprayed to hands or any place by carelessness
8	操作工藝複雜，必須要做導電層。 Operation process is complex, conduct coat is needed	操作簡單，無需做導電層，只要經過三塗三烤即可完成全部工藝。 Easy to operate, conduct coat is needless, only "three times of painting and threetimes of roasting" are all the craft in the process
9	操作工藝複雜，人力資源耗費。 Operation process is complex, wasting of human workforce	操作工藝簡單，無需耗費太多人力。 Easy operation craft, much less workforce will be used

## 優秀的品質性能（以ABS素材為例，進行性能測試）

Excellent quality and performance

(Taking ABS as example to carry out performance testing)

NO	項目 NOItem	試驗方法 Test method	品質基準 Sample norm	內容 Content	結果 Result
1	耐密着性 Adhesiveness resistance	百格測試 Cross hatch test	密着性膠帶剝離 Adhesiveness tape tripping	密着性 Adhesiveness	100/100
2	耐水性 Water resistance	40°C 溫水: 24hr 40°C warm water: 24hr	無剝落、皺折的發生，無顏色、光澤的變化、塗膜的軟化等情況 No stripping, goffer and crack; no change of color and luster	外觀密着性 Appearance adhesiveness	無異常 No abnormality 100/100
3	耐濕性 Humidity resistance	40°C/RH95%:200hr 45°C/RH95%: 200hr	無剝落、皺折的發生，無顏色、光澤的變化、裂紋等情況 No stripping and goffer; no change of color and luster; no softness of coat film	外觀密着性 Appearance adhesiveness	無異常 No abnormality 100/100
4	耐揮發油性 Oil volatilization resistance	揮發油20°C: 0.5hr Naphtha 20°C: 0.5hr	無出現傷痕、光澤減少及附着有紗布上的情況 No decrease of scar and luster; no adhesion on the gauze	外觀 Appearance	無異常 No abnormality
5	耐二甲苯性 Xylene resistance	沾有二甲苯的紗布來回5次 Gauze stained with xylene comes and goes for five times	無出現傷痕、光澤減少及附着有紗布上的情況 No decrease of scar and luster; no adhesion on the gauze	外觀 Appearance	無異常 No abnormality
6	耐鹼性 Alkali resistance	0.1N NaOH2ml 環式RT°C: 24hr 0.1N NaOH2ml ring type RT°C: 24hr	顏色與光澤稍有改變，與燒附塗裝相比無裂痕	外觀 Appearance	無異常 No abnormality
7	耐酸性 Acid resistance	0.1N N <sub>2</sub> SO <sub>4</sub> 4.2ml 環式RT°C: 24hr 0.1N H <sub>2</sub> SO <sub>4</sub> 4.2ml ring type Rt°C: 24hr	Little change of color and luster; no crack comparing to firing coating	外觀 Appearance	無異常 No abnormality
8	硬度 Hardness	鉛筆硬度（三菱UNIT） Pencil hardness	鉛筆硬度2H以上 Over 2H pencil hardness	硬度水平 Level of hardness	無異常 No abnormality
9	色調保持性 Color preservation	隨溫度變化80°C: 22hr Change with temperature 80°C: 2hr	無顏色與光澤的變化 No change of color and luster	外觀 Appearance	無異常 No abnormality
10	耐拋旋光性 Photostability	含石蠟的紗布來回5次 Gauze with olefin comes and goes for five times	與非拋光面比較無顏色、光澤差 No difference of color and luster comparing with non polished surface	外觀 Appearance	無異常 No abnormality
11	耐熱變色性 Color heat change resistance	80°C 恒溫器: 180hr 80°C temperature stabilizer: 180hr	無變色，無皺折 No change of color; no goffer	剝落外觀 Stripping of appearance	無異常 No abnormality
12	耐汽油性 Gasoline resistance	滴下汽油0.1ml Gasoline dropping 0.1 ml	2分鐘放置後來回擦拭，無剝落和光澤的變化 Placing for 2 minutes for come-and-go testing; no stripping and change of luster	剝落外觀 Stripping of appearance	無異常 No abnormality
13	耐油脂性 Grease resistance	油脂1g塗布 Grease 1 g coating	1小時放置後來回擦拭，無剝落和光澤的變化 Placing for one hour for come-and-go testing; no stripping and change of luster	剝落外觀 Stripping of appearance	無異常 No abnormality
14	耐洗車性 Machine washing resistance	自動洗車機15次 Automatic washing for 15 times	塗膜無剝落、顏色、光澤無變化，無洗車傷痕 No tripping and change of color and luster of coat film; no machine washing scar	剝落外觀 Stripping of appearance	無異常 No abnormality
15	耐冷熱反復性 Cold & hot repeat resistance	-10°C 2hr, 60°C 8次循環 -10°C 2hr, 60°C, circulation for 8 times	剝落、裂紋、顏色光澤無變化 No stripping, crack; no change of color and luster	外觀密着性 Appearance adhesiveness	無異常 No abnormality 100/100
16	耐氣候性 Climate resistance	晴天天氣計100hr(無雨) 100hr are calculated in a fine day (no rain)	無顏色變化 No change of color	外觀 Appearance	無異常 No abnormality



# 銀鏡塗裝產品展示 SPRAY PLATING PRODUCTS



波麗工藝品 Poly artwork

陶瓷 potteries

筆記本電腦外殼 (鎂合金) laptop casings (Magnesium alloy)

波麗燈座 Poly lamp holders



頭盔ABS ABS Helmets



五金飾品 Metal accessories

五金飾品 Metal accessories

五金電木燈飾 Metal phenolic lampholders



喇叭 (紙質) Speaker (paper made)

羽毛球拍 (碳纖維) battledores (carbon fiber)

燈殼 (玻璃) lampshades (glass)



自行車架 (鋁合金) bicycle frames (aluminium alloy)



家具沙發 (木材) furniture sofa (wood)



## 鏡面車身展示 CHROMING AUTO BODY



銀鏡塗裝汽車輪軸 Sprayed auto wheel rim

3D鐳射汽車輪軸 3D laser film on auto wheel rim

碳纖汽車輪軸 Carbon fiber Auto wheel rim

噴鍍+鐳射汽車輪軸 Plating + laser film on auto wheel rim

汽車中網 Auto Grille



汽車配件 (尼龍加纖維) Auto Grille (nylon+fiber)

碳纖尾翼 Carbon fiber spoiler

## 各種工藝的效果展示 VARIOUS CHROMING SAMPLES



桃木紋系列 Peach wood grain series

3D鐳射摩托車 3D laser film on motorcycle

碳纖儀表板 Carbon fiber panels

碳纖後視鏡 Carbon fiber rear view mirror



特殊工藝 Special process

車燈 ABS ABS lamps

銀鏡塗裝制程高腳椅 Chroming Stool Chair

注：以上圖片僅供參考



## 二、個性化彩繪，數位無版定位水轉印技術

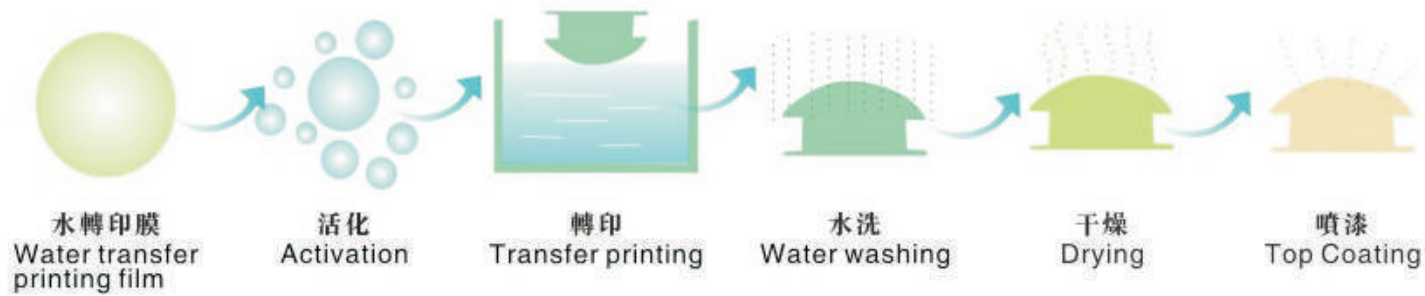
INDIVIDUALIZED COLOR DRAWING AND DIGITAL-POSITIONING WATER TRANSFER PRINTING TECHNOLOGY

### 數位無版定位水轉印技術介紹

Introduction of digital positioning water transfer printing technology

CTS數位無版定位水轉印是應用電腦，掃描器，數碼相機等高科技設備，將客戶所需要的圖案或照片通過改進的印表機直接輸到CTS專用高分子膜上，然後將有圖案的膜放到水面上，還原後利用水的張力將圖案轉印到物體的表面，其工藝流程為：

CTS digital positioning water transfer printing technology is a technology with the application of computer, scanner and digital camera to convey images and pictures needed by customers through improved printer into CTS special high molecule films. Then, the films with images thereinto will be put on the surface of water, and with the using of the tensile force of water, the films will transfer the images to the surface of the article after comeback. Its process is:



其特點：快速（祇需30分鐘就可以完成整個過程看到成品）  
個性化（隨心所欲，我形我素，任何圖案隨你設計）  
經濟（無需制版，直接出圖，立即轉印）

Characteristics: Speedy (the whole process is completed in 30 minutes)  
Individualized (any images are designed according to your requirements)  
Economical (no edition is made, direct image coming out, immediate transfer printing)

適用範圍：五金，塑膠，皮革，玻璃，陶瓷，木材等制品的表面轉印。

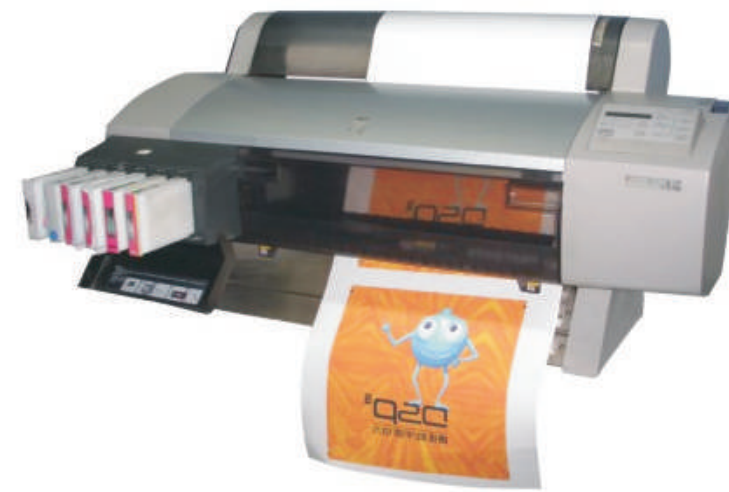
Scope of application: Surface transfer printing of metal, plastic, leather, glass, china and wood products.

最大優勢：快速打樣，曲面轉印，個性化彩繪和少量多樣圖案轉印。

Biggest advantage: Speedy proof, curved surface transfer printing, individualized colored drawing, transfer printing of few multiple images.



### CTS 個性化水轉印機 CTS INDIVIDUALIZED WATER TRANSFER PRINTER



水轉印輸圖機(CTS-7600)  
Water transfer image printer (CTS-7600)

CTS系列個性化水轉印機是我公司最新專利產品，無需配備空氣壓縮機，簡化操作工序，使產品質量更容易控制。應用範圍更寬。同時自帶空氣過濾系統和水過濾系統。充分體現我公懷聽環保理念，可用于生產打樣，個性化生產。本產品已銷往臺灣，新加坡，泰國，菲律賓，越南等東南亞各地。

CTS series individualized water transfer printer is a new patent product of our company. It does not need to be equipped with air compressor. Due to its operation process is simplified; the product quality can be controlled more easily and the application scope is broader. In the mean time, it is equipped with air filtering system, which fully indicates the environmental protection concept of our company. Besides, this product can be used in proof and individualized production, and has sold to Taiwan, Singapore, Thailand, Philippine, Vietnam, etc.



## 專用塗料及耗材

SPECIAL PAINTS AND CONSUMABLES

### 開版水轉印膜

Open edition water transfer printing film



各種規格開版水轉印膜供應，有木紋，大理石紋等設計紋路，並且可以開版定做。

Open edition water transfer printing films of different specifications are supplied. They have such grains as wood grain and marble grain, and can be customized with open edition.

### 定位水轉印膜

定位水轉印專用空白膜有各種寬度規格的供應

Positioning water transfer printing film

Special blank films for positioning water transfer printing of different width specifications are supplied

## 水轉印樣品展示

SAMPLE DEMONSTRATION OF WATER TRANSFER PRINTING



電腦機殼轉印  
transfer print on computer casing



筆記本電腦外殼水轉印  
transfer print laptop casings



鼠標 Mouse



鍵盤 Keyboard



吹風筒 Hair-dryer



鞋底 Sole



陶瓷 Ceramics



塑膠殼 Plastic shell



塑膠殼 Plastic shell



桃木紋 Peach Wooden Grain



拉絲 Hair Line Effect



桃木紋 Peach wood grain



汽車儀表盤 Car dashboard



桃木紋 Peach wood grain



汽車內飾品 Interior of Automotive

## 鐳射水轉印膜

Laser Water Transfer Printing Film



操作方式同一般水轉印膜  
Same process with other film

可開版定製各種樣式  
Laser water transfer printing film for customization

Laser water transfer printing film for customization

鐳射ABS色板  
Laser Water Transfer printing with ABS sheet



鐳射汽車配件  
Laser Water Transfer printing with part of Automotive



筆記本外殼鐳射  
Laser Water Transfer printing with Laptop case



鐳射汽車輪軸  
Laser Water Transfer printing with Rim of the Wheel



木材  
NSP with Wooden Stand



鐳射摩托車配件  
Laser Water Transfer printing with part of Motorcycle



### 三、其他各式表面處理設備，整廠輸出

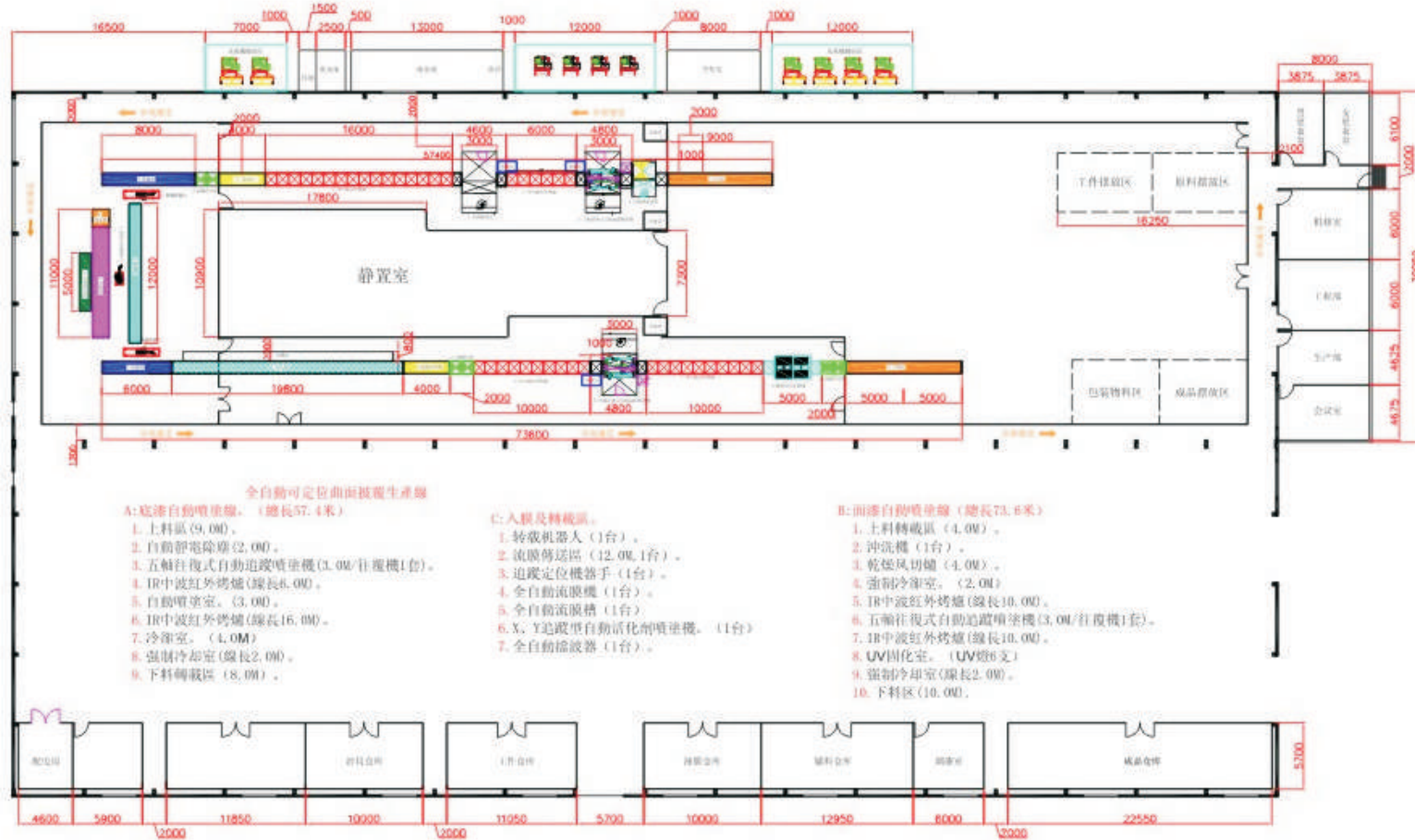
OTHER KINDS OF SURFACE TREATMENT EQUIPMENTS WITH WHOLE-PLANT LAYOUT

整廠塗裝生產線  
Whole-plant coating production line



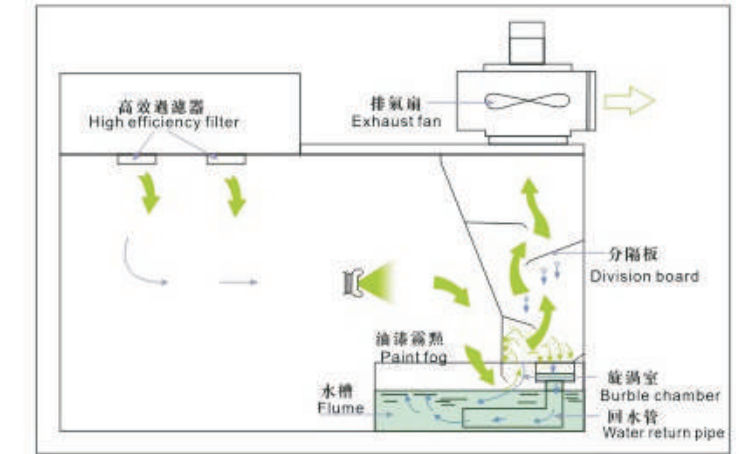
### 水轉印自動生產線廠房設計圖

The design of Water Transfer Printing Automatic Line



### 塗裝恆溫， 恆濕專用噴塗櫃

Constant temperature for spray plating  
Spray plating cabinet



### 尺寸規格

外型尺寸 Dimensions	噴塗材料 Spray booth material	排風風機 Exhaust fan	傳出窗口 Outlet	恆溫機 Constant temperature equipment	高效過濾器 High efficiency filter 610×610	功率 Power
2700W×3500L×2400H	1.5S304	φ400 1HP	2个	8HP×1台	4个 (Set)	19KW
3600W×3500L×2400H	1.5S304	φ500 1.5HP	2个	8HP×1台	4个 (Set)	20.5KW
4500W×3500L×2400H	1.5S304	3HP离心机	2个	8HP×2台	8个 (Set)	26KW
5400W×3500L×2400H	1.5S304	3HP离心机	2个	8HP×2台	8个 (Set)	27KW

### 技術培訓 Technology training

即使不懂水轉印及納米銀鏡塗裝技術塗裝方面的知識，我們也可以在短期內使現場操作人員了解水轉印及納米銀鏡塗裝技術銀鏡塗裝的操作及工藝和生產管理方面的知識。全面了解我們公司的水轉印及納米銀鏡塗裝技術產品，在水轉印及納米銀鏡塗裝技術的原理管理，工藝及產品的開發得到全面的培訓。

Even you don't know the knowledge of water transfer printing and nanometer spray plating technology, we still can make on-spot operators apprehend the operation, production and management of water transfer printing and nanometer spray plating technology coating in a short time. So that, they may have an overall understanding of water transfer printing and nanometer spray plating technology products, obtaining the principle management of water transfer printing and nanometer spray plating technology and the comprehensive training of the development of technology and product.



國外訓練  
Offshore NSP Training



國外訓練  
Offshore NSP Training 注：以上數據僅供參考



## 售後服務 After-sale service

我們提供給客戶高品質的水轉印及納米技術塗料，同時也以優質的服務，快速的反應使我們的用戶沒有後顧之憂。我們也向用戶介紹成熟的工藝流程，接受用戶有關表面處理方面的諮詢。

We supply customers with high quality water transfer printing and NSP technology materials. Meanwhile, with high quality service and rapid response, our customers have no worry about the service. In addition, we introduce mature technology process to customers as well as receive their inquiry on surface treatment.



## 技術開發 Technology development

為了追求更先進表面塗裝及披覆處理效果，我們在不斷地進行研究和開發。

In order to achieve more advanced surface spray coating treatment effect, we never stop our research and development.

針對客戶所提出性能和外觀上的特殊要求，調動技術人員進行專案研究。

Assignment of technicians to carry out special research according to customers' special requirements on performance and appearance.

對於不同的新材料，採用水轉印及納米銀鏡塗裝開發新的表面處理工藝。

Adoption of water transfer printing and nanometer spray plating to develop new surface treatment crafts according to different new materials.

根據客戶的要求及市場需要，已開發出各種型號的個性化水轉印和納米銀鏡塗裝機。

According to the requirements of customers and the market demands, we've developed different models of individualized water transfer printing and NSP machines.



銀鏡塗裝機: CTS-101  
NSP Machine: CTS-101



## 技術支持 Technical support

我們的技術群在長期的技術活動中積累了豐富的經驗，不僅為客戶解決水轉印及納米銀鏡塗裝上的問題。從材料的前處理，銀鏡塗裝的性能和用途，到應用領域和尖端技術，多方面為客戶提供綜合性的技術支持。

水轉印及納米銀鏡塗裝技術塗裝的策劃從樣品的試制到設備及工藝流程的選擇，使客戶在最短的時間裏達到最高的效率。

表面處理的諮詢，按照客戶對表面處理的特殊要求，提供最佳參考方案。

Our technicians have rich experience for long-term technology activities. They not only settle problems on water transfer printing and NSP coating, but also supply customers with comprehensive technical support from material pretreatment to coating performance and sophisticated application technology, etc.

With the planning of water transfer printing and nanometer spray plating technology coating, from the trial-manufacture of sample and the choice of equipment and technology process, customers may achieve the highest efficiency in least time.

As for the inquiry of surface treatment, we supply the best reference schemes according to the special requirements of customers.