



盈匯實業(金屬建材)有限公司
Yinghui Metal Spraying Industry Co., Ltd.

Company Profile



Company Name: Bo Luo LongXi YingHui Industry Co., Ltd.

**Address: GongTing Village, LongXi Town, BoLuo County, HuiZhou City,
GuangDong Province, P.R. China**

Introduction of YINGHUI

YINGHUI METAL SPRAYING INDUSTRY CO LTD is founded in Hong kong, and its factory which located in HuiZhou City called Bo Luo LongXi YingHui Industry Co., Ltd. was built in 2004. YINGHUI has 10 years experience on manufacturing aluminum panel, standard and special designed ceiling tiles, electrostatic spraying painting, powder- coating, wood&stone vacuum transfer printing and silk- screen printing , etc.

YINGHUI has passed the Top 8 paint supplier qualification testing, the quality has met the American AAMA2605-05 and ASCA96 standard. Its quality control system has also passed the European Standard (SGS)ISO9000 testing for continuous 5 years.

YINGHUI has a good annual supply & installation of around 400,000 sq.m of aluminum cladding panels.

Adhere with "Excellent Quality, Excellent Reputation, Excellent Service", YINGHUI makes full use of the advanced equipments and processing technology, with more than 10 years' diligent efforts, YINGHUI has participated in more than 200 projects in the curtain wall construction, both home and abroad.





ISO 9001:2008

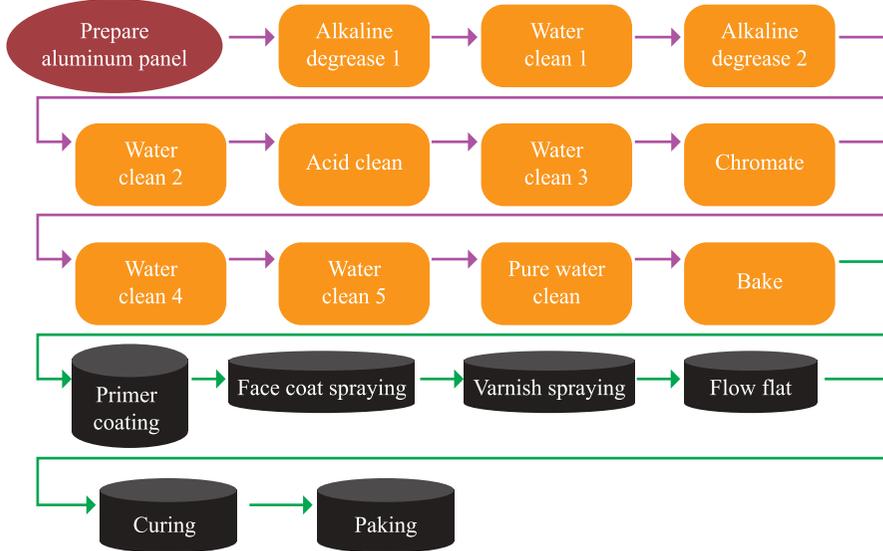


i Machine

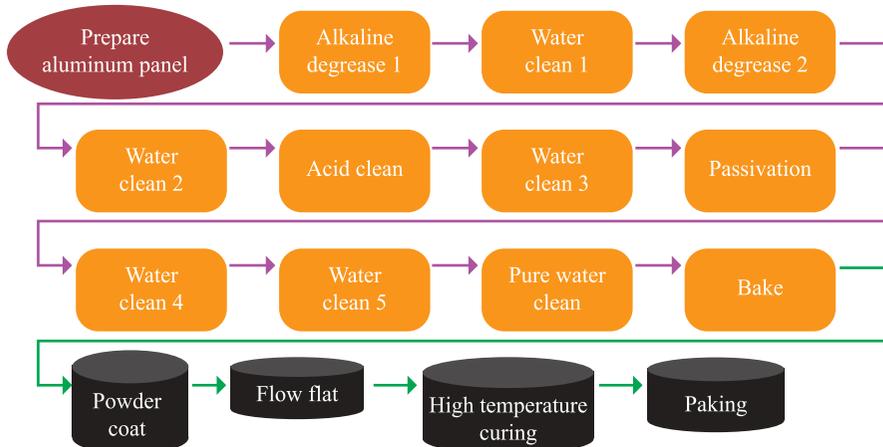


iii. Spraying painting process

PVDF spraying painting



Powder coating process



iv. Additional Remarks of the Process:

Pretreatment before painting

Aluminum panel preparation This part is hanging up the products onto the spraying painting line; it is the preparing work before pretreatment and painting.

1) Alkaline Degrease 1

This is also called pre-degreasing. It uses degreaser to remove the greasy dirt, loose oxide layer and the adhesion dust. Heat treatment will greatly increase the capacity of degreaser's activity, and saponification reaction will occur with the grease easily.

2) Water Cleaning 1

Clean the aluminum panel which had been degreased. In order to achieve the best cleaning effect, all the water clean of our company use the high press spraying line (use deionized water) (electric conductivity $\leq 100\mu\text{s}/\text{cm}$), and this is much advanced than the water immersion type.

3) Alkaline Degrease 2

This part is also called main degreasing. It makes the second time cleaning towards the remain dirt from degrease 1 in order to remove 100% greasy dirt from aluminum panel for the purpose of assuring no greasy dirt will affect the panel's adhesion.

4) Water Cleaning 2

After the second time cleaning, PH will up to 7-8, which is prepared for the next process.

5) Acid Corrosion : Acid corrosion

When weak acid meets aluminum panel, there will be redox reaction so that it can totally remove the dirt and oxide layer even it is invisible so that lay a solid foundation for the next chromate process.

6) Water Cleaning 3

Clean aluminum panel with deionized water after acid corrosion process so that it will achieve a neutral PH (between 6.5 and 8).

7) Passivation

Use passivant to make chemical conversion reaction on the aluminum panel and the surface will form a metal conversion coating which will increase adhesion of the prepared-coating panel and also have anticorrosion effect of the not coating panel. The weight of this conversion coating in the process



meets the standard of America ASTM, which is not less than 300milligram per square meter (analytical balance weighing).

8) Water Cleaning 4

Clean the metal iron residue which caused in the chromate process and strengthen the protection effect of aluminum panel and conversion coating.

9) Water Cleaning 5

Clean the metal iron residue again to make sure the protection effect of aluminum panel and conversion coating.

10) Deionized Water Cleaning

After deionized water cleaning, iron and the other dirt on the panel surface will be totally clean so that it can make full preparation for primer coating.

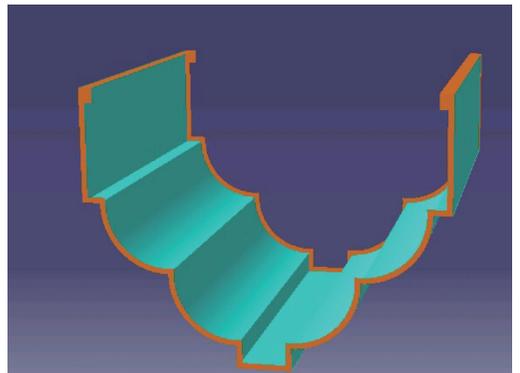
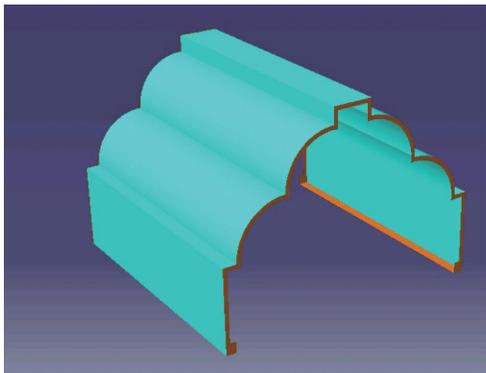
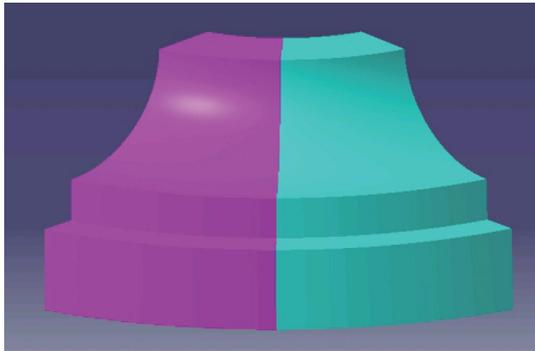
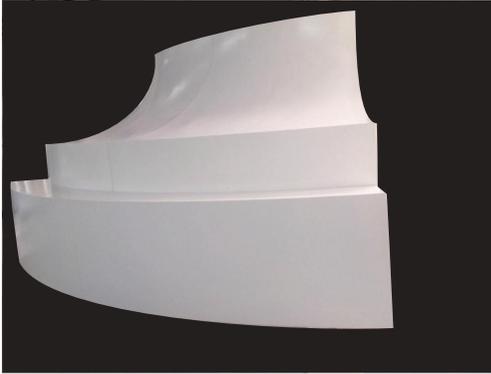
11) Bake Cuire

Dry the surface water of the processed products(temperature should be no more than 80°C).

v. Auto spraying painting line



vi. Double Curved Panel



vii . Wood & stone vacuum transfer printing



viii . Inspection Sheets

Inspection sheet list

Item	Name of Quality Records	No.	Remark
1	Incoming Material Checking Record	WP-R-04	Enclosure 1
2	Daily Report of Metal Sheet Process Inspection	WP-R-13a	Enclosure 2
3	Quality Inspection Report of Sheet-metal Process Finished Product	WP-R-20	Enclosure 3
4	Report of QA Random Inspection for Finish Product	WP-R-23a	Enclosure 4
5	Coating performance Testing Report	WP-R-06b	Enclosure 5
6	Inspection Report of Spraying Finished Products	WP-R-19	Enclosure 6



Enclosure 1 :

YINGHUI METAL SPRAYING INDUSTRY CO., LTD

Incoming Material Checking

<WP-R-04>

REF NO : _____

Client : _____ Delivery No. : _____ Date : _____

Name/Size : _____ Delivery Quantity : _____ Checking Quantity : _____

Checking Method: Full check Spot check AQL Standard () : Receive__ Retreat_____

Checking Content		
Checking Item	Unqualified Quantity	Defect Description

Spot checking Result : Pass Fail

Number of qualified product : _____ Number of unqualified product : _____ Fraction defective : _____

Treatment Suggestion :

Checker : _____ Verifier : _____ Warehouse keeper : _____



Enclosure3 : **YINGHUI METAL SPRAYING INDUSTRY CO., LTD**

Quality Inspection Report of Sheet-metal Process Finished Product

〈WP-R-20〉

Client's Name		Manufacture Date		
Project Name		Color of Spraying		
Inspection Matters				
Inspection Matters	Standard Requirement	Inspection Method	Inspection Result	Result
Size of Length and Width				
Diagonal Line				
Angle				
Flatness				
Folding				
Welding				
Others				
Remark :				
Decided by QC Department : <input type="checkbox"/> Qualified <input type="checkbox"/> Unqualified				
Inspector		Confirm by		

ix . Hong Kong & Oversea Job Reference



Hong Kong Project:

1. Hong Kong Observatory
Area : 5,000 m²
2. Tseung Kwan O Public Library
Area : 10,000 m²
3. Lohas Park Phase II at Tseubg Kwan O
Area : 20,000 m²
4. CCB Tower at Centre District
Area : 9,000 m²
5. Construction Industry Council
Zero-Carbon Building at Kowloon Bay
Area : 4,000 m²
6. Improvement Work For Mong Kok Stadium (A.S.D.)
Area : 3,500 m²
7. Stanley Plaza (The Link Property)
Area : 9,000 m²
8. Residential Development at No.8-10 Peak Road
Area : 3,000 m²
9. Hong Kong Station (MTR) at Central District
Area : 4,000 m²
10. HK International Finance Center at Centre District
Area : 8,500 m²

Oversea Project:

1. Grand Hyatt Metrobank CTR phase I
Area : 10,000 m² (Philippines's Project)
2. Unilab Existing
Area : 20,000 m² (Philippines's Project)
3. Shang Salcedo Place
Area : 10,000 m² (Philippines's Project)
4. Avant Garde Ledge
Area : 10,000 m² (Philippines's Project)
5. Shangri-la at the fort, Manila
Area : 2,000 m² (Philippines's Project)
6. Tadmur logistics at energy city lusail
Area : 3,000 m² (Singapore Project)
7. Singapore Capitol
Area : 5,000 m² (Singapore Project)



x . China Job Reference



China Project:

- | | | |
|--|---|--|
| 1. 鄭州機場
Area : 50,000 m ² | 12. 廣州地鐵五號線
Area : 18,000 m ² | 23. 中交大廈
Area : 18,000 m ² |
| 2. 北京南站
Area : 45,000 m ² | 13. 廣州軍區醫院
Area : 4,000 m ² | 24. 琶洲展館二期工程
Area : 25,000 m ² |
| 3. 北京安福大廈
Area : 18,000 m ² | 14. 白雲機場
Area : 25,000 m ² | 25. 奧迪4S店
Area : 20,000 m ² |
| 4. 北京地鐵四號線
Area : 40,000 m ² | 15. 西安大禮堂
Area : 3,000 m ² | 26. 鄭州火車站
Area : 20,000 m ² |
| 5. 北京地鐵十號線
Area : 20,000 m ² | 16. 合肥廣電
Area : 3,000 m ² | 27. 鄭州機場
Area : 8,000 m ² |
| 6. 北京機場專線
Area : 21,000 m ² | 17. 中國農業發展銀行
Area : 6,000 m ² | 28. 貴州電網
Area : 7,500 m ² |
| 7. 天津空客
Area : 1,500 m ² | 18. 河南大唐電力
Area : 25,000 m ² | |
| 8. 天津土地大廈
Area : 3,000 m ² | 19. 佳木斯醫院
Area : 10,000 m ² | |
| 9. 沈陽地鐵一號線
Area : 30,000 m ² | 20. 廈門海關
Area : 20,000 m ² | |
| 10. 上海地鐵十一號線
Area : 29,000 m ² | 21. 吉大醫院
Area : 50,000 m ² | |
| 11. 上海虹橋機場
Area : 5,000 m ² | 22. 東風汽車集團
Area : 6,000 m ² | |



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