



## HONG THAI SHIN CO.,LTD.

### Company Profile

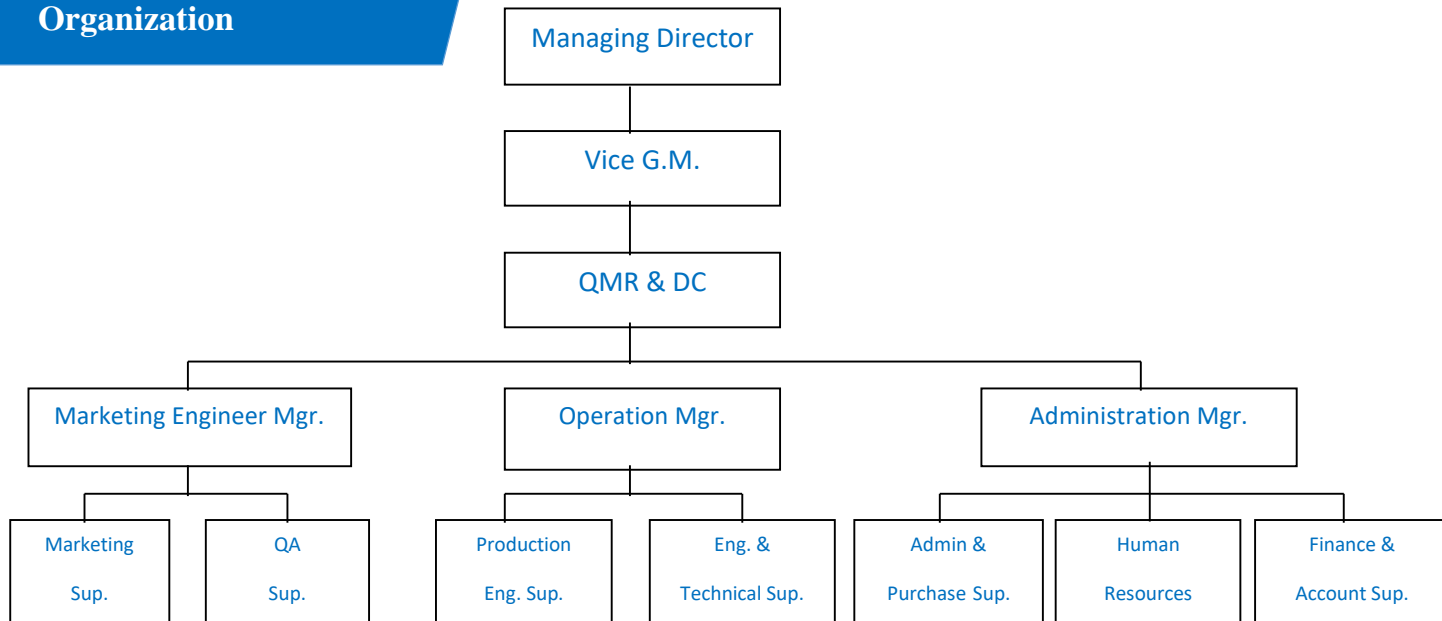


#### HONG THAI SHIN CO.,LTD

88/88 Moo 12 "Suwanbhut" Soi Soontornvipat,  
Bangplee-Tamlu Rd. T.Bangpla, A.Bangplee, Samutprakarn 10540  
Tel. 02-3460888-92 Fax. 02-3460893



## Organization



## Scope of quality management system

Hong Thai Shin Co., Ltd. is located at 88/88 Moo.12, Soi Soonthornwiphak, Bang Plee-Tamru Road, Bang Pla Sub-district, Bang Plee District, Samutprakan Province. Registered in Thailand on 5 November 1992 under the registered capital of 4 million baht by a management team from Taiwan, who has collected more than 20 years of experience in Taiwan. Therefore, we have over 47 years of experience in metal plating.

The company granted a license to operate a factory in the category of plating No. Jor.3-100(5)-2/45 Sor.Por., to operate a service business of providing metal plating in the category of tin, anodizing and metal washing in many groups of industries such as electronics industry, chemical industry, computer industry or industry regarding of decorative materials with modern machinery from Taiwan, plating technology that continuous development including using of quality raw materials which 90% being bought from Taiwan's supplier in Thailand. There is quality control to ensure that the standards are consistent with the product samples and the major customer groups being in Thailand. The company wants to develop the production process in order to meet international standards and therefore entered into the quality management system which has the scope of preparing a quality management system from UKAS as ISO 9000:2008 since September-1- 2008, ISO 9001:2008 since November-1-2010 and ISO 9001:2015 since April-10-2018. At the present, we certified ISO 9001:2015 from G. Certification since January-7-2019. The quality management system of us is except the requirement number 8.3 "design and development".

## Principle of the company quality management system

### Quality Policies

**"Best quality, Delivery on time, Best service, Continuous development"**

## The company promises to

1. Give importance to both internal and external stakeholders in order to be able to fully respond to the needs of all parts which has the ultimate purpose is consistent satisfaction.
2. Emphasize the managing for process based on principles of Plan–Do–Check–Act, to achieve continuous development.
3. Give priority to quality management in order to granted products that meet the needs or requirements from customers.
4. Normative reference; ISO 9001: 2015
5. Standard application; ISO 9001: 2015

### Environmental Policies

**“Water, Electricity, Environment**

**Hong Thai Shin gathers to save**

**Pollution, Air and fish ponds**

**We are willing to develop for the community”**

The company realizes that the caring of environment is extremely important because the caring of environment is related to both internal and external stakeholders whether it's customers, employees, government sectors and communities that is operating the business, whether our customers, our employees, and communities that we are operating business also our world in order to support the goal of caring for the environment together.

The company has consistently complied with environmental requirements by the product obtained from plating which has been certified by the scientific institute that there is no use of prohibited substances such as lead, cadmium, mercury, hexavalent-chromium, polybrominated biphenyls, and polybrominated diphenyl, ether based on European Directive on Restriction of Hazardous Substances (ROHS).

The company has waste management from the production process as systematic by having a wastewater treatment system in the factory and hiring a management and development company for environmental conservation, collect sludge and water for treatment according to regulations of Samutprakarn Provincial Industrial Office Factory License “Ror Ngor. 4”.

#### The company promises to :-

1. Comply with environmental requirements by controlling and treat wastewater not to flow out into the community.
2. Campaign for employees to realize the importance of natural resources, using water and electricity in an economical and cost-effective manner.

## Context of the organization

### From external and internal factors

#### External factors

##### **Legal**

Operating a business of metal plating shall have a factory license (RorNgor. 4), with a wastewater treatment system, good ventilation system, therefore, can operate this factory.

##### **Competition**

Currently, there are many competitors in the market but our service is considered effective enough to compete in terms of quality, affordable price and speed of service because we have experience over 27 years in this business.

##### **Marketing Trends**

Currently, aluminum is brought to use to replace other raw materials because it is lightweight and to reduce costs more.

##### **Economic Condition**

Currently, the world economy is under economic difficulties which affecting all industrial groups and impact on the current market expansion.

##### **Technology**

Our production technology has more strength than other factories because our factory has just been built resulting in having modern machines more than competitors, having cleanness, focus on caring an environment including bringing technology from Taiwan.

##### **Culture, Society, Religion**

The service provided by an organization can respond to all cultures and religions. For society, we care for an environment that will not adversely affect communities in the area.

##### **Risk Issues**

Production risk > unable to produce in time, raw-material shortage.

##### **Marketing Risk**

Price cutting from competitors.

##### **Knowledge risk in an organization**

Organizational structure, process, employee practices, sufficiency training and technology for service

### Organization size

The organization is located at 88/88 Moo.12, Bang Phli-Tamru Road, Bang Pla Subdistrict, Bang Phli District, Samut Prakan Province 10540 with an area of 4,592 sqm. There are 1 production building, approximately area of 1,400 sqm., with production lines which divided into 2 zones are tin plating zone and anodizing plating zone. By there is a total of 50 employees which are divided into tin plating production line approximately 24 employees, about 11 employees for anodizing plating production line and about 11 employees for an office. And we also have a vacant land 2.997 rai for expansion.

### Knowledge

The organization has technology/machinery imported from Taiwan and doing our plating in accordance with international standards. The products from plating have been certified by the scientific institute that there are no prohibited substances such as lead /mercury/cadmium/chromium/hexavalent/polybrominated biphenyls and polybrominated diphenyl ether, based on European Directive on Restriction of Hazardous Substances (ROHS).

### Organizational capability \*Reference data from the year 2019\*

\*\* In this regard (information in year 2018), we produced as follows :

Anodize section	1 6 – 2 0 Hours per day	/	6 days per week
Tin section	8 – 1 0 Hours per day	/	6 days per week

\* The factory's production capacity can be able to produce the maximum as follows:

Anodize section	24 Hours per day	/	7 days per week
Tin section	12 Hours per day	/	7 days per week

### Things that organizations do well

Accepting express production based on customer needs and accepting small jobs

### Strengths

Having superior resources and our suppliers have an office in Thailand that they can support raw materials/equipment immediately, such as chemicals, dyeing color for anodizing, tin (Sn) and etc.....

### Good perspectives of the organization from outsiders

Quality, price, faster production period than competitors.

### Weaknesses

- There is no budget to build more a dyeing pond (anodizing) to support the longest workpiece size up to 6 meters.
- Lack of resources in the organization; human resources who can communicate in foreign languages such as English, Japanese.

### Tends and good opportunities

Providing one-stop service for preparing aluminum surface (Hairline, Sandblasting, Barreling, and Polishing).

**Changing strengths into opportunities**

The organization has working capital from trading in cash by accepting small jobs or new customers.

**Threats**

Customer annual bargain discount policy yearly.

**The impact incurred from competitors causes organization's concern**

Price competition, factory location.

**The organization's weakness that causes obstacles**

Employees training on job skill is not enough and need to continuous development.

**Risk issues**

Competitor - price, new technology development of competitors

Environmental risk – an area around the factory is surrounded by fish ponds and there are many nearby factories do not have waste-water treatment system so it may have wastewater flow into the fish ponds.

Climate - temperature and humidity in some seasons have a direct effect on the production in plating pond.

**Vision**

- Will be a metal plating factory that is dryness, cleanness, and safety, being friendly with environmentally and communities in Samutprakan Province always.
- Will be a metal plating factory that strictly follows the standards of ISO9001: 2015 with 100% sincerely by the year of 2020.

**Mission**

- Promote better quality of life for employees.
- Save an environment and joint a volunteer for community development.
- Respond customer's needs with quality service so customers will choose to use our service first.

**Strategy**

- Train employees to develop skills and good attitude in working and communication within the organization.
- Having disposal of wastewater, odors, vapor, and chemical smoke as efficient.
- Creating/participate in various activities within the community of Samutprakan Province.
- Train employees to realize the benefits of the quality system ISO9001: 2015.



## **OurService**

Quality Management Principles The Hong Thai Shin provides the quality control system corresponding to product samples. Our major customers are based in Thailand country. We strive to develop the product manufacture that is comparable to the international standard

### **\*\* Tin Quenching** (Grossly & Matte)

For electricity-purposed tin quenching. The surface treatment meets the performance requirements of MIL-T-10727C, its thickness can be up to 3.5 – 10.0 micron for plating by Barrel and 5.0 – 10.0 micron for plating by Rack. The quenched materials include copper, brass, lead, and iron. Tin and aluminum quenching could be done in good quality also. We're under plated by both Copper and Nickel, depend on customer requirement.

We offer two types of tin plating: Gross and Callous. The different quenching methods make the pieces of work different depending on chemicals and solution.

#### **1.Grossly Tin Plaiting**

Advantages : Silver-colored, fine, clearer, dust-resistant, finger stain -resistant, (not blackish when being touched), cheaper

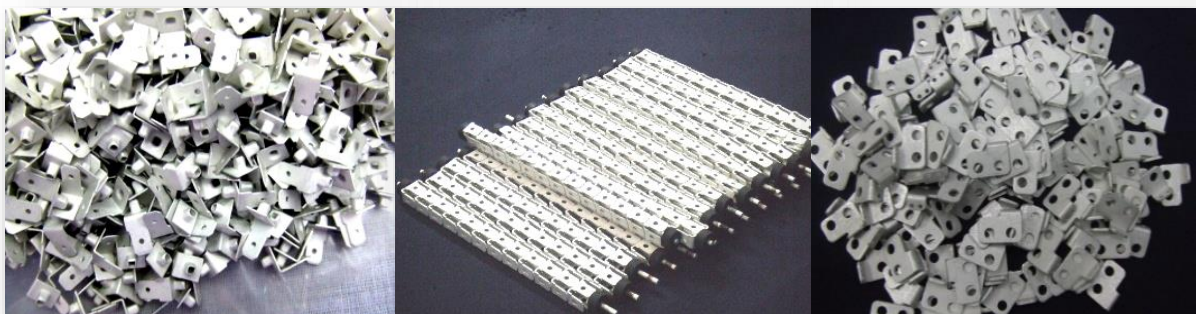
Disadvantages : Stronger odor and lesser heat endurable



#### **2. Matte Tin Plating**

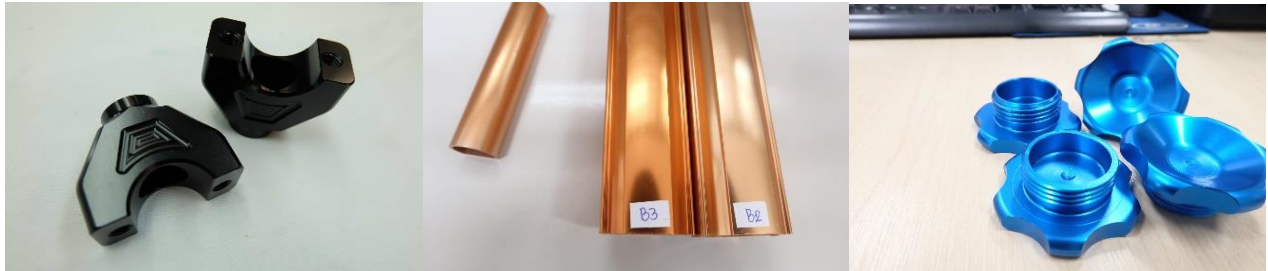
Advantages : Better effective with dipped tin and connection work where high temperature is required, no odor, callously silver-colored.

Disadvantages : Become blackish and stained easily when touched, more expensive



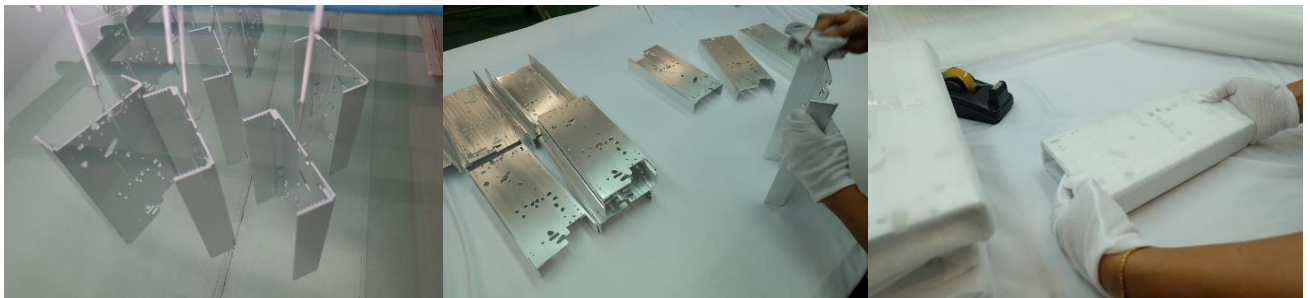
## **\*\* Anodizing**

For an elegant, anti-rust, anti-dirty and finger smudge and hardening the work piece purposes in aluminum quenching, we undertake anodizing for 3 tones as Matte – Normal – Bright, the colors such as Clear, Gold, Black, Espresso, Brown, Grey, Silver, Red and etc. Other color can be made to order. The surface treatment meets the performance requirements of MIL-A-8625 Type II / Class 1 for Clear Anodize and MIL-A-8625 Type II / Class 2 for other dyeing color, its thickness standard about 8.0 – 15.0 micron by Rack only.



## **\*\* Chemical Film or Clear Chromit AL TCP “Sur Tec 650”**

It is a conductive chromate conversion coating of aluminum for anti-rust and durability purpose. We provide of Chemical Film or Clear Chromit AL (TCP) by chemical “Sur Tec 650” It’s mean to chemical conversion coating on aluminum and aluminum alloys. The surface treatment meets the performance requirements of MIL-C-5541, its thickness about 1.5 – 2.5 micron by Rack only.



## **\*\* Comprehensive pre-anodize skin preparation service.**

**Hairline, polishing, and sandblasting.**

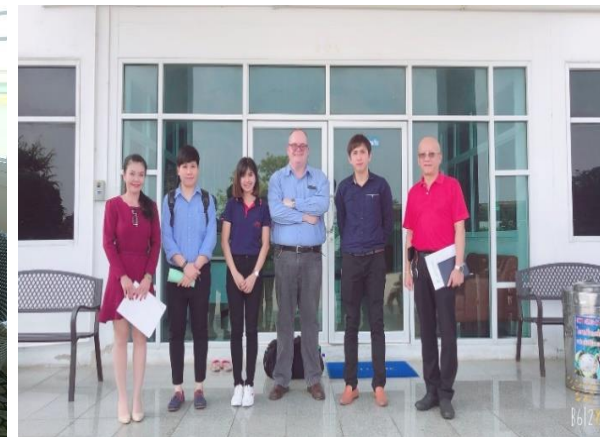




## More information about us

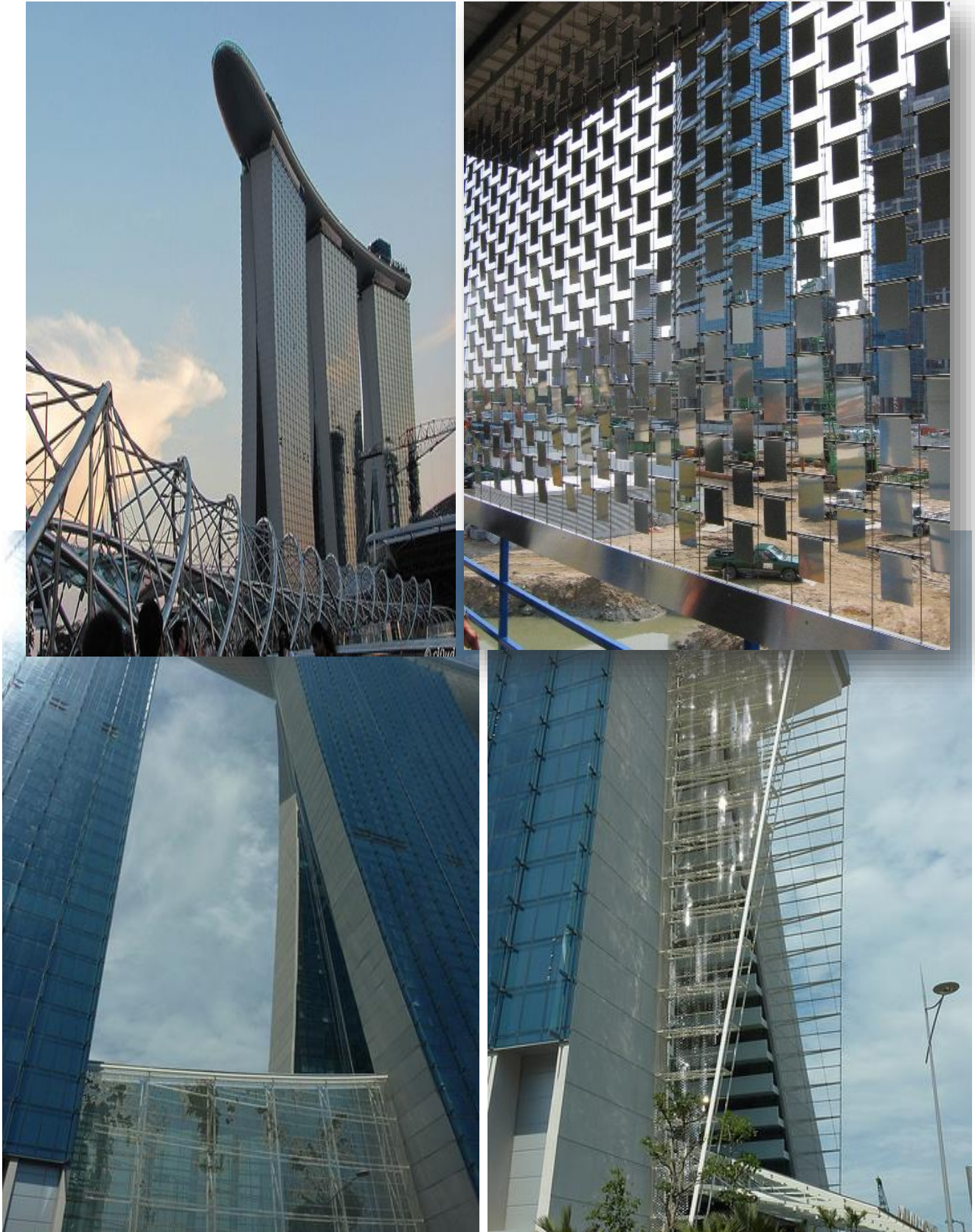
- Plating method
  - \*Tin plating & Acid : Hanging & Barrel
  - \*Anodizing & Chemical film : Hanging
- Plating line : Manual & Semi-Automatic
- Chemical order from : Taiwan, Hong Kong, China, Japan, Germany, USA
- Base material can be plated : Copper, Brass, SPCC, Aluminum
- Water type use at present : General (Plan to use DI water in year 2016)
- RoHS controlled : Yes
- Plating tank
  - Bright tin – by Rack : 2 tanks
  - Matte tin – by Rack : 1 tank
  - Bright tin – by Barrel : 2 tanks
  - Matte tin – by Barrel : 2 tank
  - Acid – by Rack : 1 tank
  - Acid – by Barrel : 1 tank
  - Anodizing : 5 tanks
  - Chemical Film : 1 tank
- Regular customer : Electronics = 60%, Automotive = 30%, Others = 10%
  - \*Tin plating & Acid : ABB, Cho Kwang (LG), S.Charoen (Mitsubishi), S.D. Hitech, Tselup (BMW), TTK Precision, Nissin Electric, Krungthai United Electric, New Bangkok Electric, Muntra Switch Gear, PLK Switchboard, Sirimongkol, Nitto Seiko, Electronic Solution and etc...
  - \*Anodizing & Chemical film : TTS (Tumi/Alpha), Chin I Metal (Delta, Panasonic, Sharp, Seiko), GPV (EU), Hymec (Aerospace), Electrolux, P.Quality (Honda), Daimond Brand (Middle-East), Samsung Electronics Mechanics, Thai Stainless Steel, SNC Cooling Supply (Suzuki, Electrolux), Daihan (Samsung), Thai Akiba (Toyota, Honda, Isuzu), Progress Part (Isuzu), and etc...
- Measurement Equipment : Themometer, PH tester, Hydrometer, Thickness - Dual scope MPOR-FP, Vernier, Pin Gate, Microscope, Solder pot, Scotch Tape 3M#600, Cross cut, Visual test, "Horse" Permanent Markers, X-Ray test, Hull cell and etc...

CUSTOMER VISIT





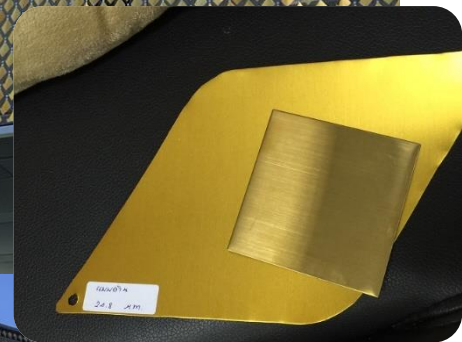
**Our project**  
@marina bay sands singapore.





## Our project

@SINGHA D'LUCK Cinematic Theatre, Pattaya.





View



Staff Dormitory



Canteen



Meeting room



Office



Production department



Tin department



Anodizing department





## Water treatment





## CONTACT US

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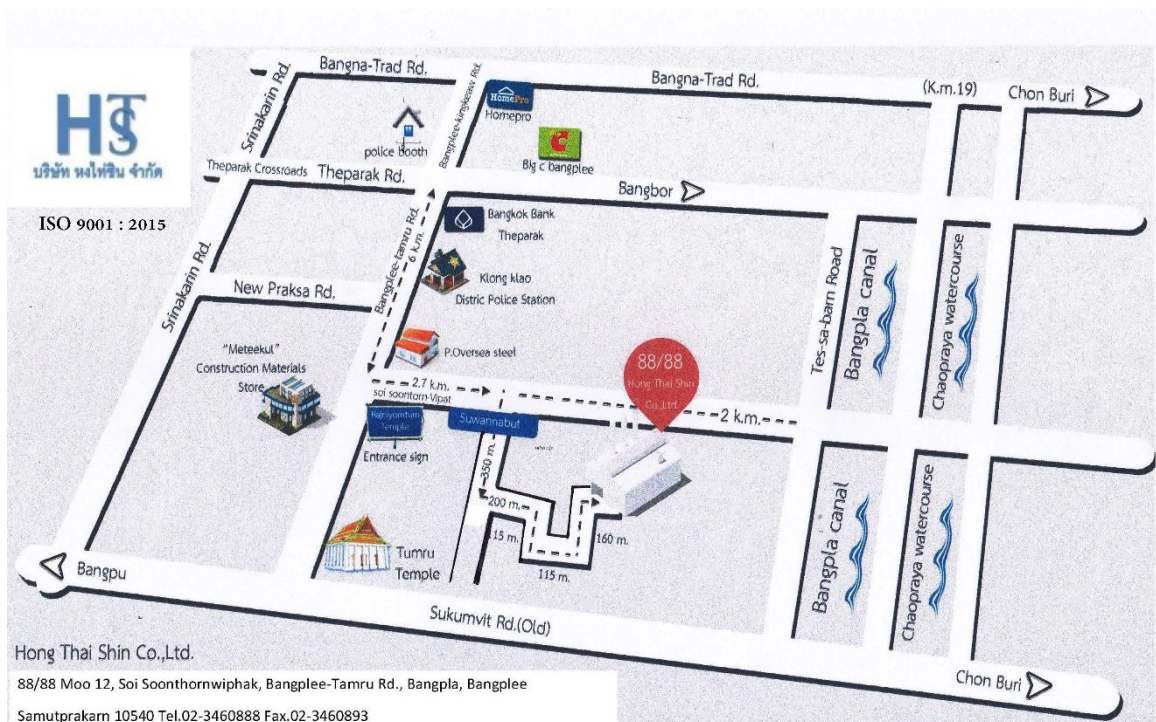
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🌐 [www.hongthaishin.com](http://www.hongthaishin.com)

📘 <https://www.facebook.com/hongthaishin>

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## HONG THAI SHIN CO.,LTD

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 MB. 064-9327119 ( K.Nong )



## Corporate social responsibility



## Volunteer



## Mask distribution activity for COVID-19 epidemic prevention

1. Organization
2. Scope
3. Quality & Environment Policies
4. Context of organization
  - 4.1 Understanding the organization and its context
  - 4.2 Understanding the needs and expectations of Interested parties
  - 4.3 Determining the scope of the quality management
  - 4.4 Quality management system and its process
5. Leadership
  - 5.1 Leadership and Commitment
  - 5.2 Policy
  - 5.3 Organization Roles, Responsibilities and Authorities
6. Planning
  - 6.1 Actions to Address Risks and Opportunities
  - 6.2 Quality Objectives and Planning to Achieve Them
  - 6.3 Planning of changes
7. Support
  - 7.1 Resources
  - 7.2 Competence
  - 7.3 Awareness
  - 7.4 Communication
  - 7.5 Document Information
8. Operation
  - 8.1 Operational planning and Control
  - 8.2 Requirement for Products and services
  - 8.3 Design and development of products and services
  - 8.4 Control of Externally Provided Process
  - 8.5 Production and Service Provision
  - 8.6 Release of Products and Service
  - 8.7 Control of Nonconforming Outputs
9. Performance Evaluation
  - 9.1 Monitoring, Measurement, Analysis and Evaluation
  - 9.2 Internal Audit
  - 9.3 Management Review
10. Improvement
  - 10.1 General
  - 10.2 Nonconformity and Corrective Action
  - 10.3 Continual improvement
11. Quality System Management Chart

<u>No.</u>	<u>Document#</u>	<u>Document name</u>	<u>Requirements#</u>
*	QM-QR-002	Key Performance Indicator & Quality Objective	6.2.1
**	QM-QR-003	Action Plan	6.2.1
1.	SP-QR-004	Actions to address Risks & Opportunities	6.1.2
2.	SP-QR-005	Risk Management	6.3
3.	SP-PS-001	Recruitment & Selection	7.1.2
4.	SP-MN-001	Maintenance	7.1.3
5.	SP-QA-003	Calibration	7.1.5.2
6.	SP-PS-002	Training	7.1.6
7.	SP-DC-001	Document Control	7.5.3.2
8.	SP-PD-002	Planning & Production Control	8.1
9.	SP-SA-001	Review to the customer's agreement	8.2.4
10.	SP-PC-001	Purchasing & Supplier Evaluation	8.4.3
11.	SP-PD-001	Production Control	8.5
12.	SP-PN-001	Warehouse management & Delivery	8.5.4
13.	SP-QA-002	Quality Inspection	8.6
14.	SP-QA-001	Control of nonconforming outputs	8.7.2
15.	SP-SA-002	Customer Survey	9.1.2
16.	SP-QR-002	Internal Audit	9.2.2
17.	SP-QR-003	Management Review	9.3.3
18.	SP-QR-001	Corrective & Preventive Action plan	10.2.2