

Special Award for TPM Achievement

YIEH PHUI (CHINA) TECHNOMATERIAL CO., LTD.

China

永遠最好



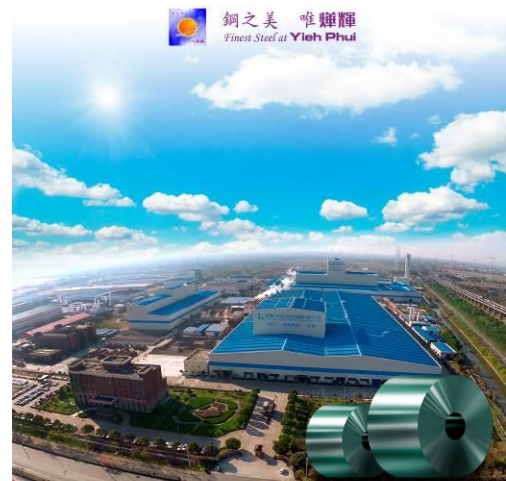
Always the best

1. Organization Profile

Yieh Phui (China) is located at Riverside Industrial Park Changshu Economic Development Zone, Jiangsu, China. The company is located in the Yangtze River Delta and at the interchange of the two economic belts along Yangtze River. Yieh Phui (China) is not only one of the largest coated steel producers in China, but also an enterprise is experted at exporting worldwide.

Established in January 2002, Yieh Phui (China) is one of the members of the manufacturing business sector of E United Group. Total Investment Amount of Yieh Phui (China) : USD 6.398 billion ; Existing employees of 1, 420 people. The lot area is 338,535 m² and factory area is 154,188 m². In order to satisfy different markets and orders, Yieh Phui (China) manufactures pickled steel coils, cold-rolled steel coils, hot-dip metallic coated steel coils, and prepainted metallic coated steel coils.

YIEH PHUI (CHINA) TECHNOMATERIAL CO., LTD.



產品項目：酸洗塗油、軋軋、冷軋、熱浸鍍鋅、5%鋁鋅、55%鋁鋅、鋁錳、彩塗等鋼捲

江蘇省常熟經濟開發區沿江工業區傳輝路1號 +86-512-5228888

Capacity for each production line:

Pickling line	* 1	900,000mt
Cold rolling mill	* 2	600,000mt
Hot-dip galvanizing line	* 3	900,000mt
Coil coating line	* 2	360,000mt
Pickling Line & Cold rolling mill	* 1	1,000,000mt
Continuous Annealing	* 1	500,000mt
Continuous Hot-Dip Galvanizing Line	* 1	400,000mt
Continuous Color coating Line	* 1	210,000mt



Applications & Application References of YIEH PHUI(CHINA) Products:



Solar Panel Bracket
Hot-Dip Zn-Al-Mg Coated Steel



Phoenix Contact china
Paint type : PVDF



Fuzhou Railway Station China
Hot-Dip 5% Al-Zn Coated Steel

Sheet



Shenyang Taoxian International Airport China
Paint type :PVDF

Sheet



IKEA Shanghai Store China
Paint type : PVDF



4S Showrooms of Dongfeng Peugeot China
Paint type : PE

Main Products:

- ◇ Hot-rolled Pickled steel coils
- ◇ Cold-rolled Full hard steel coils
- ◇ Cold-rolled Annealed steel coils
- ◇ Cold-rolled steel coils for Automotive
- ◇ Hot-dip Zinc-coated steel coils
- ◇ Hot-dip Zn-Al-Mg coated steel coils
- ◇ Hot-dip 55% Al-Zn coated steel coils
- ◇ Hot-dip 55% Al-Mg-Zn coated steel coils
- ◇ Hot-dip Al-Si coated steel coils
- ◇ Pre-painted hot-dip zinc-coated steel coils
- ◇ Pre-painted Hot-dip Zn-Al-Mg coated steel coils
- ◇ Pre-painted hot-dip 55% Al-Zn coated steel coils
- ◇ Pre-painted hot-dip 55% Al-Mg-Zn coated steel coils

General speaking, the products are categorized into two kinds: metallic coated steel coils and prepainted metallic coated steel coils. Below are the characteristics and applications of the two main product categories.

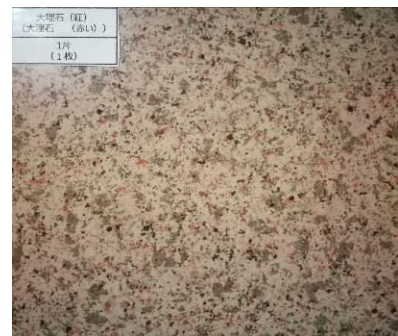
- A. PhuizerZinc \ PhuizerFan \ PhuizerLume provide excellent weathering resistance, good adhesion and formability. They are suitable for computer cases, lid of washers, LED bases, LED back panels, satellite antenna patents, electric cabinets, decks, drawer sliding rails, metal tiles...and so on. Furthermore they can also be used as a base material for prepainted steel sheet.
- B. ColorZinc \ ColorFan \ ColorLume provide a wide variety of colors. They exhibit good formability and excellent durability. They are suitable for cases of electrical appliances and decorative building materials...and so on. Some examples are side panel of refrigerators, back panels of LED TV, high quality writing boards, TV controller cases, arched roofs, ceilings, sandwich panels, color metal tiles, etc.



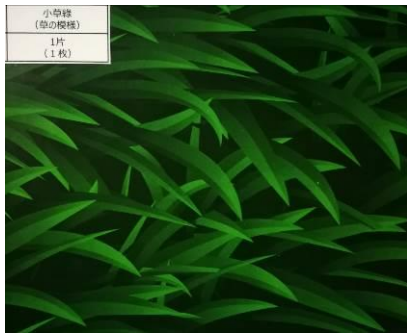
Brick patterned painted steel sheet



Marble patterned (white) painted steel sheet



Marble patterned (red) painted steel sheet



Grass green painted steel sheet



Oak patterned painted steel sheet



Pear wood grain baked paint steel sheet

2. Milestone on the Journey to Manufacturing Excellence

Yieh Phui (China) inherits the management philosophy of E United Group: “Innovation, Growth, Responsibility, Continuity” and enterprise mandates of Yieh Phui: “Profit Creation, Continuous Improvement, Building Trust”. Our quality policies are “the utmost idea of customers first; the central belief of zero defect; the teamwork power of get things done for the first time; the environmental responsibility to avoid use of hazardous substances”. Occupational safety declaration of Yieh Phui (China): “fulfilling social responsibility; never compromising over occupational safety & environmental protection.” With the company slogan “*Always the best* 永遠最好”, Yieh Phui (China) provides quality service and products to make our customers 100% satisfied, allowing Yieh Phui (China) to maintain as the “*Always the best*” company. It is the ultimate goal of our management activities.

[TPM Part I (2008-2011)]

In March 2008, TPM kicked off. Part I was total participation of employees. With “Equipment” as the center. Level I TPM production maintenance system was implemented and OEE of production lines was continuously improved. By the implementation of TPM activities, we strengthen our equipment and quality, and keep aiming at “Zero Accident, Zero Failure, Zero Defect, Zero Waste, Zero Pollution”.

[TPM Part II (2012-2014)]

The whole staff’s participation, with “employees” as the center, use “HIGH QUALITY ; LOW COST ; SHORT DELIVERY ; ZERO INJURIES ; GOOD SERVICE” as a activity policy. Through The whole staff’s active participation in TPM activities, we can improve the education and training of the operation/professional/maintenance to build the good service mechanism to achieve the goal : Continuously increasing the OEE of production line ; Improving the employees’ abilities ; Reducing the delivery orders; Implementing systems of equipment maintenance.

[TPM Part III (2015-2024)]

Full participation, with "product cost" as the center, with " Profit Creation, Continuous Improvement, Building Trust " as the guideline, through the promotion of value, create JUST IN TIME of Yehui (China), as the epoch-making feature of Yehui (China), through the improvement of product quality, the stable shortening of delivery period and the gradual decline of inventory, achieve the goal of reducing product cost.

3. Benefits Achieved

Company&plant name		YIEH PHUI(CHINA) TECHNOMATERIAL CO.,LTD.			
TPM Slogan/Objectives		To become the top steel factory in China in terms of delivery by 2024			
No.	Activity indicators	Unit	BM	Actual value for 2024	% Improvement from BM
1	Delivery time	days	25.4	11.5	46.8%
2	Sales volume	10 kilo-tons	47.5	150	
3	OEE	%	64.49	87.22	35.3%
4	Number of employees	persons	800	1,420	77.5%
5	Investment amount	\$ 100 million	3.213	6.398	99.1%
6	Factory area	10,000 m ²	23	33.8	46.9%

We set the goal according to PQCDSEM, and also improve the performances of equipment and the abilities of our staffs by using the TPM skills, then our company’s OEE has been increased by 22.73% , also has reduced the loss and the chances of equipment failures, achieved quality improvement and cost reduction.

Other intangible achievements:

The quality, customer satisfaction and the market share of our company improved through our employees actively participate in TPM activities. Our company still was solidly profitable under the rough steel market in recent years.

Yieh Phui (China) also pays more attention to employees’ health. We have built up a health management system. We are trying to create a safe and happy working environment so that our employees can work safely and actively.

Under the condition of the government vigorously promote 【ENERGY SAVING; EMISSION REDUCTION】 , Yieh Phui (China) has made a lot of measures to protect the environment. Such as: “Plant area greening” ; “Environmental monitoring” ; “Reducing air pollution emissions” ; “Promoting the energy-saving emission reduction project actively”, etc.

Apart from TPM activity implementation, equipment improvement, and enterprise intrinsic quality reform, Yieh Phui (China) pays more attention to employees’ health. We have built up a health management system, trying to create a safe and happy working environment in which ‘people’ are the core.

Consciousness of environmental protection has become an international trend and China government is also promoting “energy saving and CO₂ reduction”. With the philosophy of fulfilling CSR (Corporate Social Responsibility), we have made a lot of improvement. For example, build up a green plant; monitor the environment, reduce air pollutant emissions; vigorously implement energy saving or CO₂ reduction projects.

4. Key to our Manufacturing Excellence

Top Management’s participation:

Executives and managers are aware that TPM activities are efficient tools for improving work efficiency. TPM can change blunt thinking. Top management utilizes TPM activities in their work flexibly and thus TPM

does not conflict with daily routine tasks. Secondly, while top management is stimulating TPM activities, they also take part in the activities themselves. This motivates other leaders to actively raise morale of their teams.

Employees' change:

Since the introduction of TPM, employees' blunt thinking was totally eliminated. In the past, it was the division of labor between manufacturing and maintenance. Now it becomes the coordination between manufacturing and maintenance. This is a transfer of thinking. TPM was used to improve those unsatisfactory conditions in work, resulting in less equipment breakdown, better quality, and higher efficiency. Because improvement and pursuance of efficiency are closely related, the corporate culture of "Always the best" is hence formed.

5. Contact

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