

## **ENF Solar Assessed Supplier**

Assessment Report Presented to:

Jiangsu Weier Metal Co., Ltd.

江苏威尔五金股份有限公司

Service Commissioned by:



Service Provided by:



July 24, 2019

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## Introduction

This report has been commissioned by ENF Solar – the world’s most visited solar website. Inspections have been undertaken by TÜV Rheinland – a testing service provider who have been testing solar components since 1985. TÜV Rheinland is part of TÜV Rheinland Group, a technical services company established in 1872 and employing 17,000 staff around the world.

To make these reports, TÜV Rheinland sends inspectors directly to the factories to collect data, take pictures and check documents.

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## Company Overview

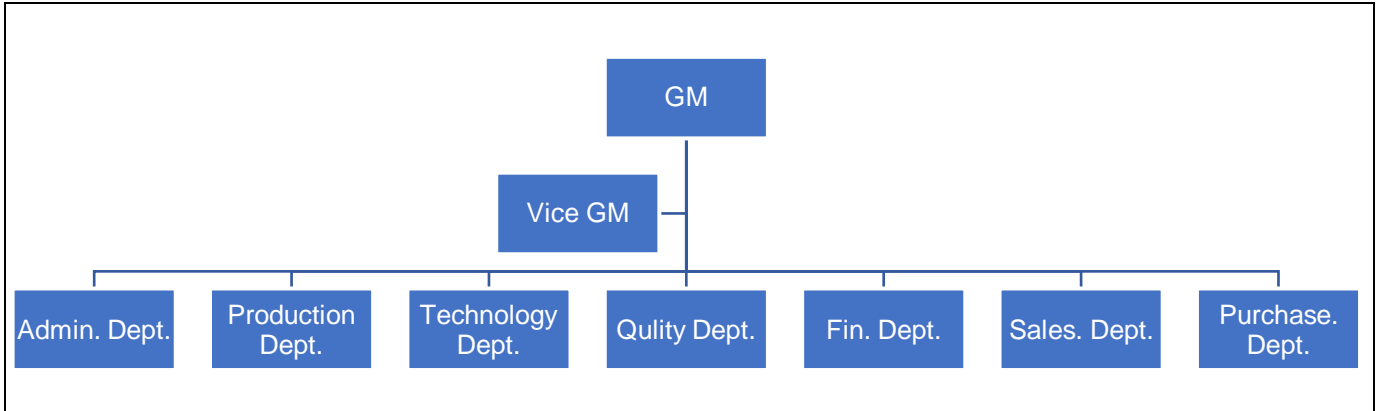
Identification	Details		
Company Name	Jiangsu Weier Metal Co., Ltd.		
Facility address	Stainless Steel Industrial Park, Qindong Town, Dongtai City, Yancheng City, Jiangsu Province, China		
	Contact Person:	Mr. Zhengying Bian	
	Tel:	0086-515-85926899	
	Fax:	0086-515-85920899	
	E-mail:	bianzhengying@weiermetal.com	
URL/Web Address	www.weiermatal.com		
Report Date	19/Jul./2019		
Expiry Date (24 months validity)	19/Jul./2019 -- 18/Jul./2021		
Name of Assessor	Alan Wang		
Overall Turnover of Last Year	Confidential		
Total Building Size	24,825 m <sup>2</sup>		
Number of Buildings	6		
Office Size	3,000 m <sup>2</sup>		
Working Day	Mon. to Sun.	Working Hours	08:00 -- 11:30
			13:00 -- 17:00

## Legal Entity

Legal Entity			
Business License Number	913209006754519853		
Year Established	13/May/2008	Validity Period:	13/May/2008 -- 31/Dec./2049
Registered Address	Qingpu Area, Stainless Steel Industrial Park, Qindong Town, Dongtai City, Yancheng City, Jiangsu Province, China		
Company Address	Stainless Steel Industrial Park, Qindong Town, Dongtai City, Yancheng City, Jiangsu Province, China		
Registered Capital	RMB 51,000,000		
Corporate Representative	Mr. Zhongmei Qian		
Industry	Solar Energy Products		
Products /Service	Mounting System		
Business Type	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Trading Company	<input checked="" type="checkbox"/> Combined
Type of Ownership	<input checked="" type="checkbox"/> Private Owner	<input type="checkbox"/> Public Company	<input type="checkbox"/> Joint Venture
	<input type="checkbox"/> Stated Owned	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other

## Human Resources

### Company Organization Chart



Department Name	Full Time Employee(s)	Part-Time Employee(s)	Total
GM	1	0	1
Vice GM	1	0	1
Admin. Dept.	4	0	4
Production Dept.	71	0	71
Technology Dept.	9	0	9
Quality Dept.	4	0	4
Fin. Dept.	4	0	4
Sales Dept.	11	0	11
Purchase Dept.	3	0	3
<b>Totals</b>	<b>108</b>	<b>0</b>	<b>108</b>

## Export Business Capacity

**Current Export Situation**

There are 2 foreign trading employees in the company.

Working Experience	Headcount
Over 30 Years	0
21-30 Years	0
11-20 Years	0
6-10 Years	0
2-5 Years	1
Less than 2 years	1

Accepted Language	Listening & Speaking	Reading & Writing
English	Yes	Yes
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Does the company have a valid export license?	<input checked="" type="checkbox"/> Yes Export License Registration No.:02256663			<input type="checkbox"/> No
Trade Agents Employed Overseas	<input type="checkbox"/> Yes			<input checked="" type="checkbox"/> No
Nearest Port	Shanghai Port			
Accepted Payment Terms	<input checked="" type="checkbox"/> FOB	<input checked="" type="checkbox"/> CIF	<input checked="" type="checkbox"/> EXW	<input checked="" type="checkbox"/> CFR
Accepted Payment Types	<input checked="" type="checkbox"/> L/C	<input checked="" type="checkbox"/> T/T	<input checked="" type="checkbox"/> Credit Card	<input checked="" type="checkbox"/> Cash
	<input checked="" type="checkbox"/> West Union	<input type="checkbox"/> Money Gram	<input checked="" type="checkbox"/> Paypal	<input type="checkbox"/> Money booker
Average lead time from product order confirmation to production delivery (products exiting the company)	30 Days			

Market Distribution (Previous 12 Months)		
Market	Main Product(s)	Total Revenue (%)

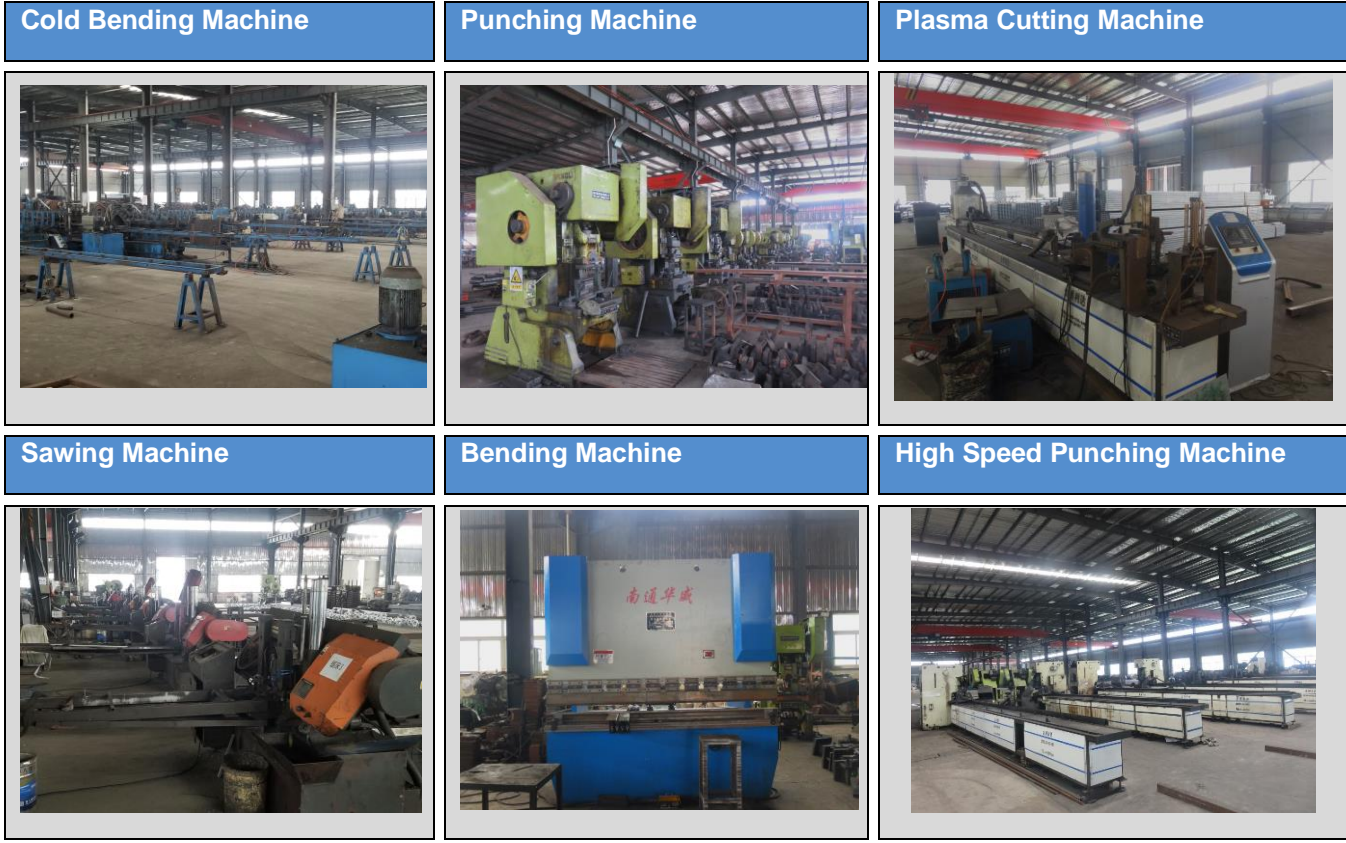
North America	N/A	0
South America	Mounting System	3
Eastern Europe	N/A	0
Southeast Asia	Mounting System	10
Africa	Mounting System	1
Oceania	N/A	0
Middle East	Mounting System	5
Eastern Asia	Mounting System	2
Western Europe	N/A	0
Central America	Mounting System	1
Northern Europe	N/A	0
Southern Europe	N/A	0
South Asia	Mounting System	5
Domestic Market	Mounting System	73



## Product Capabilities

Production Capacity		
Product Name	Production Line Capacity (Monthly)	Actual Units Produced (Previous Year)
Mounting System	8,500 Tons / Month	100,000 Tons



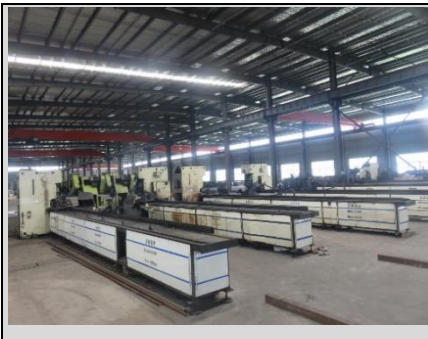
Production Machinery			
Key Machine Name	Brand & Model No.	Quantity	Condition
Cold Bending Machine	TH-CG6	15	Acceptable
Punching Machine	Yangli & J23-25	66	Acceptable
Plasma Cutting Machine	Zhongxin & JBS-SDE	2	Acceptable
Sawing Machine	GB4035	16	Acceptable
Bending Machine	Nantong Huawei & WC67Y	2	Acceptable
High Speed Punching Machine	JBS-SL	11	Acceptable



Key Testing Machinery			
Machine Name	Brand & Model No.	Quantity	Condition
N/A	N/A	N/A	N/A

N/A	N/A	N/A
N/A	N/A	N/A

**Production Flow**

1: Feeding	2: Forming	3: Cutting
		
4: Punching	5: Packing	N/A
		N/A

**R & D Capacity**

**Current Situation**

There are 9 R&D engineers in the company.

Education Level	Headcount
Doctorate	0
Post-Graduate	1
Graduate	7
Junior College	1
Technical School	0
High School	0

Work Experience	Headcount
Over 30 Years	0
21-30 Years	0
11-20 Years	0
6-10 Years	0
2-5 Years	5
Less than 2 years	4

Brand Situation				
Registration/application No.	Brand Name	For Approval to Use Goods	Validity Date	Ref.
N/A	N/A	N/A	N/A	N/A

Patent Situation				
Patent No.	The Name of the Patent	The Patent Type	Available Date	Ref.
ZL 2015 2 0441282.9	A Column-type Rechargeable Solar Energy Support System	The Patent For Utility Model	25/Jun./2015	Refer to Certificate Photo -- Patent 1
ZL 2014 2 0143127.4	Photovoltaic Power Generation Device	The Patent For Utility Model	28/Mar./2014	Refer to Certificate Photo -- Patent 2
ZL 2015 2 0440995.3	Tracking Photovoltaic Support Device	The Patent For Utility Model	25/Jun./2015	Refer to Certificate Photo -- Patent 3
ZL 2015 2 0441229.9	A Fixed Solar Ground Support System	The Patent For Utility Model	25/Jun./2015	Refer to Certificate Photo -- Patent 4

Does the company provide OEM/ODM service for others?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Are there relevant design input/output, review, and verification documents available for the assessed company?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Based on inspection, are R&D employees equipped with adequate specialized equipment?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do R&D employees use any specific software for designing new products?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

**Development Devices**

N/A	N/A	N/A
N/A	N/A	N/A

**Management Systems & Quality Control Management**

Quality Management System Certification				
Certification	Certified By	Certificate No.	Business Scope	Expiry Date
ISO9001:2015	CSI	12818Q21037R2S	Production of solar photovoltaic brackets and accessories(outsourcing)	17/Sep./2018 -- 16/Sep./2021

ISO14001:2015	CSI	12818E20154R0S	Environmental management activities in the occasions of departments, offices, working places related to production of solar photovoltaic brackets and accessories(outsourcing)	14/Sep./2018 -- 13/Sep./2021
OHSAS18001:2007	CSI	12818S20119R0S	Occupational health and safety management activities in the occasions of departments, offices, working places related to production of solar photovoltaic brackets and accessories(outsourcing)	14/Sep./2018 -- 11/Mar./2021

Product Certification				
Certification	Certified By	Certificate No.	Product Name & Model No.	Expiry Date
N/A	N/A	N/A	N/A	N/A

Test Report			
Test Report	Certified By	Product Name & Model No.	Expiry Date
Test Report	Quality Supervision and Inspection Institute of Taizhou	Inclined Beam Specimen & C80×40×15×2.5 Q235B	14/Jul./2018

Quality Control Management			
Content	Observations / Comments		
Does the company set up any inspection standards for raw materials?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Has the company set up necessary quality inspection standards in the process of production?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Does the company have any measures to control the management of unqualified materials after sampling, to avoid mixing up or wasting?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Are work instructions available at the location where the processes take place?	<input type="checkbox"/> Total line	<input checked="" type="checkbox"/> Parts of the line	<input type="checkbox"/> No
Is personal protective equipment (PPE) needed in the production line?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Is the management and usage of production materials as well as the production process executed by staff who are appropriately trained and qualified or by senior staff?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

Supplier Management		
Content	Observations / Comments	
Does the company have a supplier assessment procedure?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Does the company establish and implement a standard procedure for purchasing contract review and approval?	<input checked="" type="checkbox"/> Yes, with written standard procedures	<input type="checkbox"/> Yes, with written procedure but lack of consistent standard		<input type="checkbox"/> No
Does the company keep its supplier assessment reports?	<input checked="" type="checkbox"/> Yes, Keep for 1 years available			<input type="checkbox"/> No
Are the company's purchasing documents sufficient to ensure product safety control and their customers' requirements?	<input checked="" type="checkbox"/> Yes, the purchasing document includes all the information required	<input type="checkbox"/> Yes, however the purchasing document includes incomplete information		<input type="checkbox"/> No
Is there a procedure to conduct random product inspections after final packaging?	<input checked="" type="checkbox"/> Yes, with clear standard and written inspection records	<input type="checkbox"/> Yes, with inspection records but no procedures	<input type="checkbox"/> Yes, with procedures but no inspection records	<input type="checkbox"/> No, inspections are not necessary

After Sales Service				
Content	Observations / Comments			
Has the company set up any procedure for customer feedback, including complaints, clearly recorded and maintained?	<input checked="" type="checkbox"/> Yes, with a standard feedback form and records	<input type="checkbox"/> Yes, with a standard feedback form but no records	<input type="checkbox"/> Yes, with records but no standard feedback form	<input type="checkbox"/> No
Are there any clear procedures for handling customer complaints?	<input checked="" type="checkbox"/> Yes, with clear procedures and written records	<input type="checkbox"/> Yes, with clear procedures but no written records	<input type="checkbox"/> Yes, with written records but no clear procedures	<input type="checkbox"/> No
Does the company have the SOP (Standard Operation Procedure) for after-sales service? Does the company provide after-sales consulting services?	<input checked="" type="checkbox"/> Yes			<input type="checkbox"/> No



Does the company implement the provisions of the National Three Warrantees (warranty for repair/replacement /return) for their products?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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## Corporate Social Responsibility

Child Labour & Forced Labor		
Content	Observations / Comments	
Is it clarified that there's no child labor in the company?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company have an explicit job management program, and take corresponding measures to check the age of the employees?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Are the staff clearly aware of the terms of labour contract, regulations of the company and the right of free employment?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the staff been forced to work overtime? Will they be fined or fired if they refuse to?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Health and Safety		
Content	Observations / Comments	
Has the company set up a safety responsibility system, and distributed to all levels of supervisor and provided them with corresponding training?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company conduct regular inspection of the plant and equipment, to ensure the health and safety of the workshop at least in accordance with the law?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company regularly provide necessary safety and health training, to make the staff understand that there might be occupational hazards in their work, and take appropriate protective measures when necessary? (For example, how to use personal protective equipment safely, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company hold regular fire drills, including fire drills and evacuation drills? Do the staff clearly know how to raise an alarm, how to evacuate and how to use the fire extinguisher?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No (No regular fire drill was conducted by the factory)

Does the company have the approval report issued by the local Fire Bureau?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company provide sufficient first aid equipment? Are first-aid kits and trained first-aiders available in each workplace?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No(No qualified first aider available in workshop)
Does the company provide clean lavatories, separating men's and ladies'?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company provide clean drinking water to the staff? Is there unrestricted access to the drinking water?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

## Development / Expansion Plans

Company Development / Expansion Plans	
Company Development Action	Timeframe
The organization is going to develop the new overseas market.	12 Months

## Certification & Photos

Certification
---------------

Business License

Tax Registration Certificate



Permit for Opening Bank Account

Organization Code Certificate

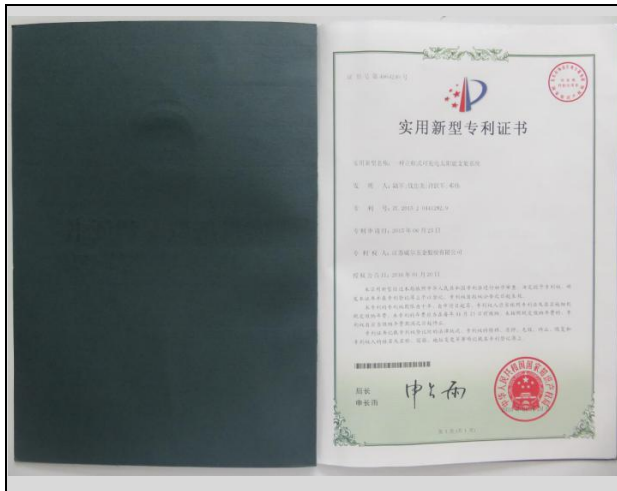


Certificate Photo -- Import and Export Enterprise Registration

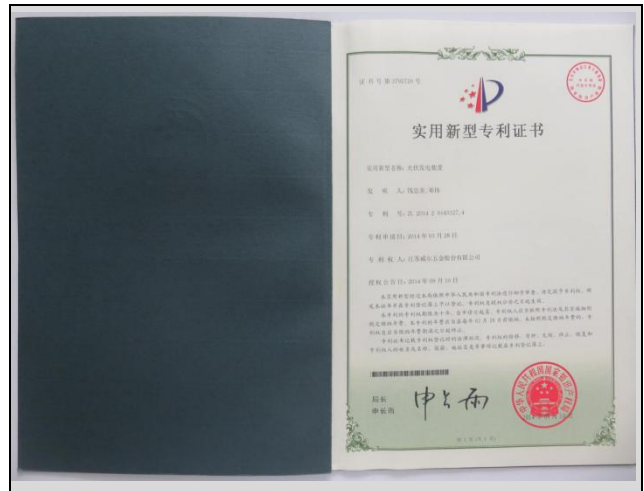
Certificate Photo – High-tech Enterprise Certificate



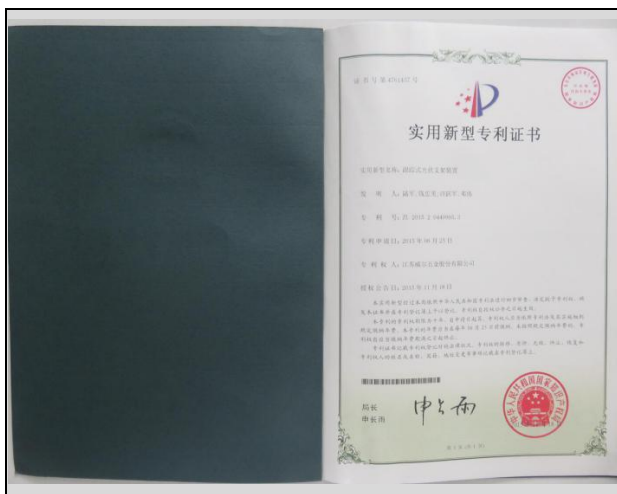
Certificate Photo -- Patent 1



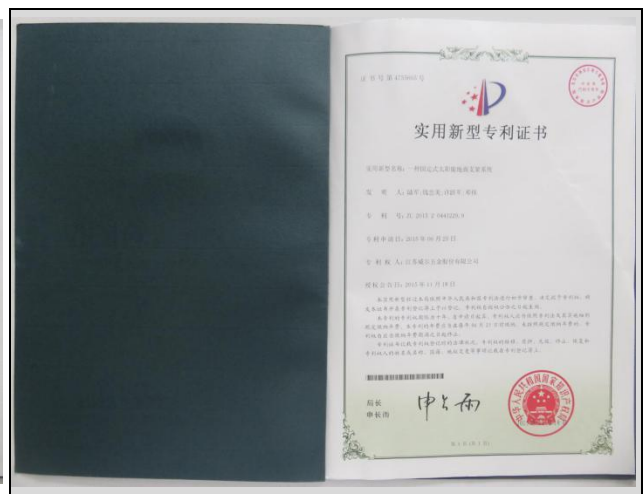
Certificate Photo -- Patent 2



Certificate Photo -- Patent 3



Certificate Photo -- Patent 4



Certificate Photo -- ISO9001:2015



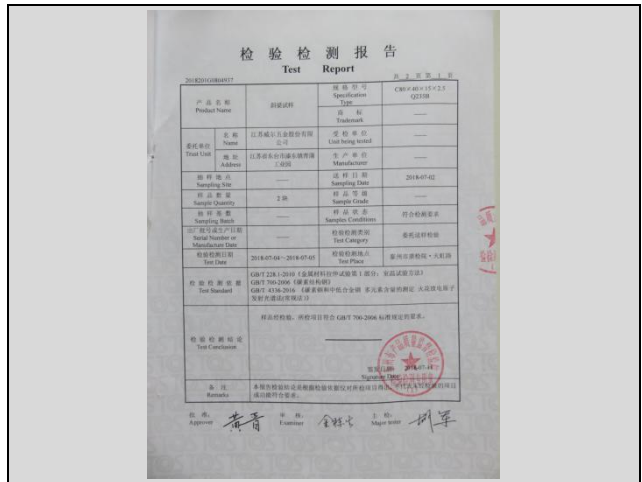
Certificate Photo -- ISO14001:2015



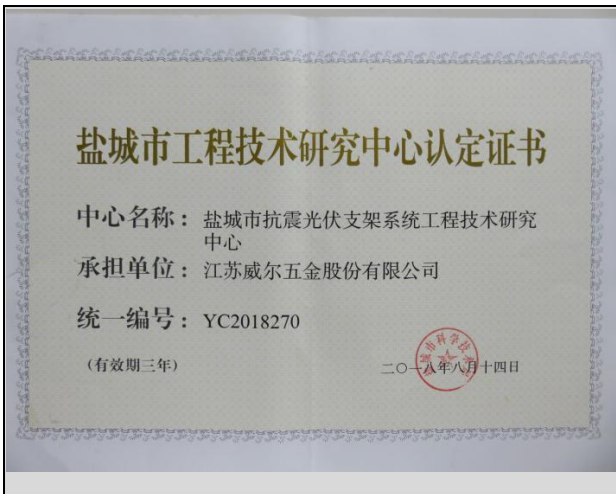
Certificate Photo -- OHSAS18001:2007



Certificate Photo -- Test Report



Certificate Photo—Accreditation Certificate of Yancheng Engineering Technology Research Center



Certificate Photo—Safety Production Standardization Certificate



Company Gate

Office



Workshop



Workshop



Warehouse



Warehouse



Product Photo



Product Photo



Product Photo

Product Photo



-- The END --