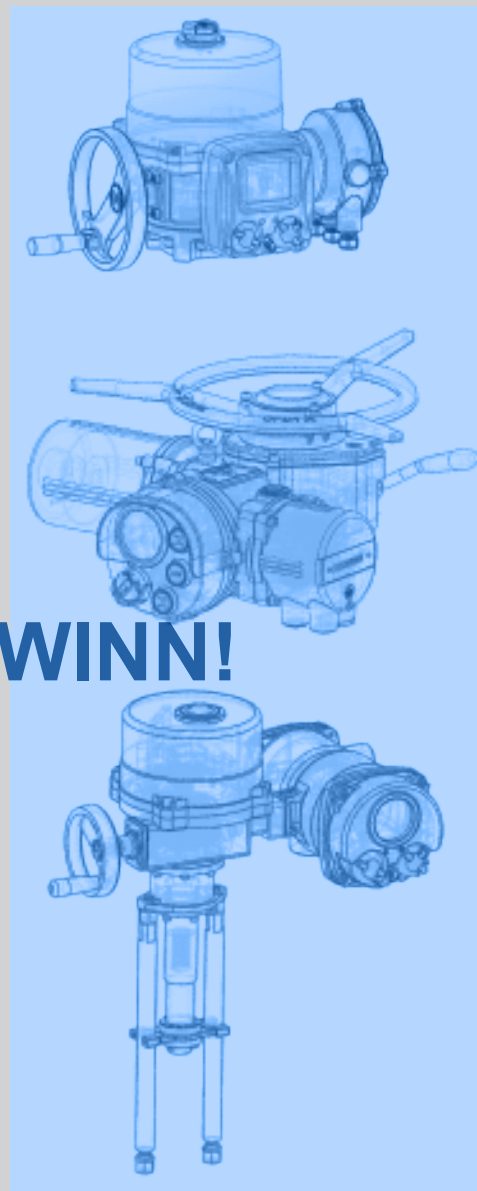


Go with the FLO' & WINN!



FLOWINN

HEADQUARTERS:
FLOWIN (SHANGHAI) INDUSTRIAL CO., LTD

BRANCH:
FLOWINN (TAIWAN) INDUSTRIAL CO., LTD
FLOWINN CONTROLS (MALAYSIA) SDN.BHD
FLOWINN CONTROLS (THAILAND) CO., LTD

OFFICE IN CHINA:
TIANJIN OFFICE
GUANGZHOU OFFICE
SHANGHAI OFFICE

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FLOWINN



COMPANY PROFILE — Electric Actuator



FM 522775

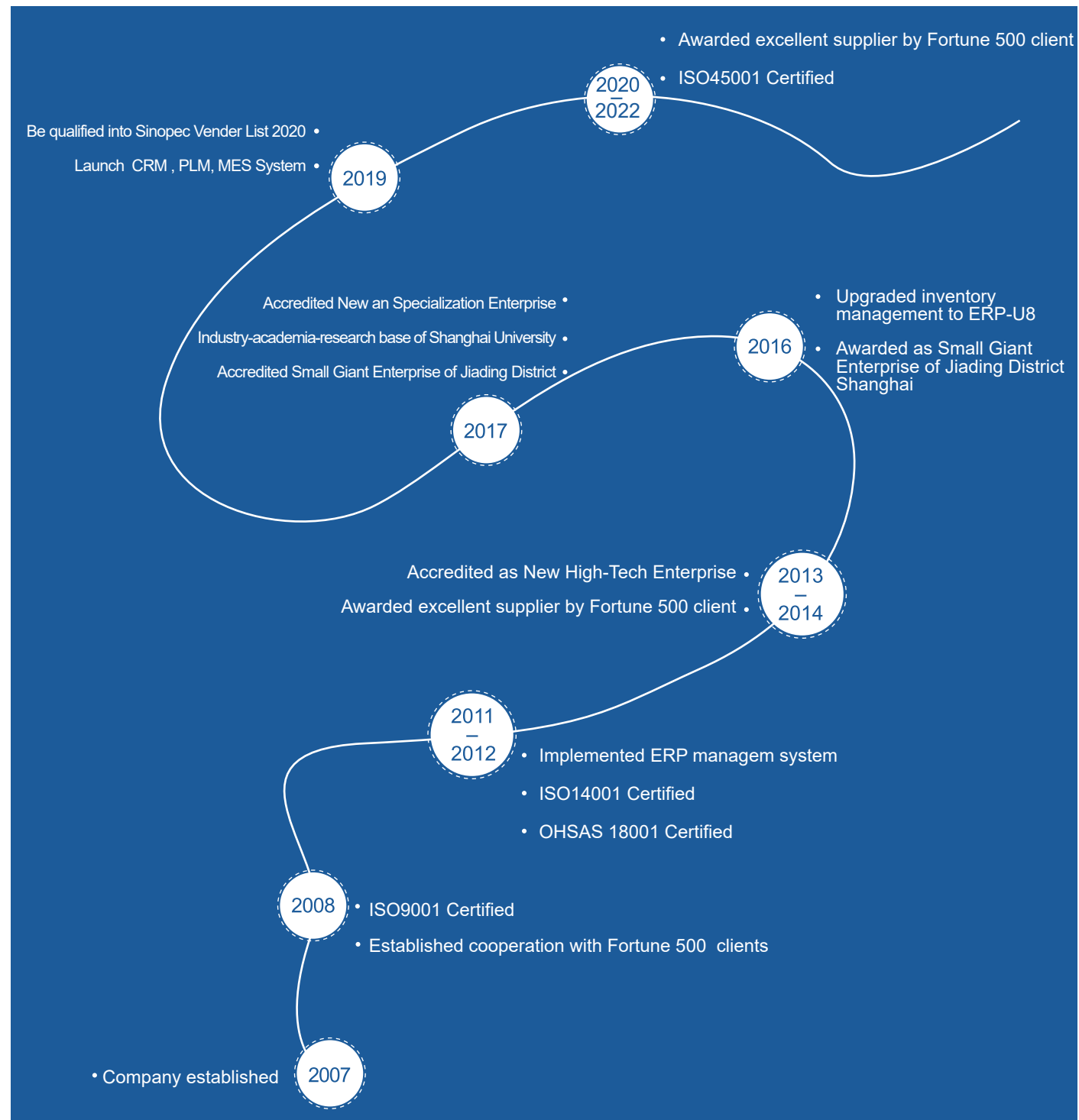


EMS 595200



OHS 595201

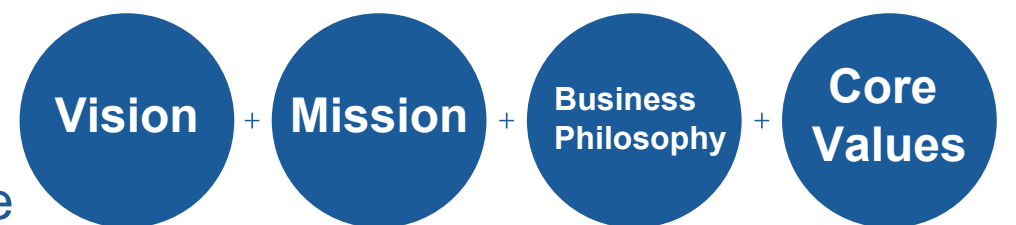
CE RoHS REACH     



Development History



Company Culture



Vision

Learning leads to progress, innovation drives prosperity.

Mission

Becoming a leading intelligent solution provider in fluid control industries.

Business Philosophy

Serve customers, Respect employees, Dedicate to shop-floors.

Core Values

Respect nature, cherish people. The six refinements of Inamori Kazuo.



5+

Continents global sales

10%+

Annual business growth

60+

Product patents

500+

Customers served

150,000+

Reserve capacity

Company Profile

Founded in 2007, FLOWINN is a high-tech enterprise focusing on R&D, manufacturing, sales and service of electric actuators. With its subsidiary of FLOWINN FLOW Controls, FLOWINN Technology, FLOWINN (Taiwan) Electronics and FLOWINN Controls (Malaysia) providing our customers with a one-stop solution to intelligent industrial networking for valve actuations.

We are specialized in the development of electric actuators and have obtained more than 100 patents and product certificates. Our business network spreads throughout the world, we maintain strategic collaboration with many of the world's Top 500 enterprises.

We always adhere to the philosophy of "Serving customers, Respecting for employees, and be first to serve on site", to provide the best valve control solutions for our users.

Company Certificates

- ISO Management System Certification
- UL Product Certificate
- REACH Certificate
- High-tech Enterprise
- CE Product Certificate
- EAC Customs Union Certificate
- 3C Product Certification Certificate
- CSA Certificate
- ATEX Explosion Proof Certificate
- Classification Society Certification
- RoHS Certificate
- IECEx Explosion-proof Certificate



Lean Production



In the process of production and management, FLOWINN has introduced various advanced digital management systems, including CRM/ERP and other systems, which perfectly realizes the effective management of resources such as planning, production scheduling, execution, performance and storage, thus eliminating the waste of resources in production, improving product quality and gradually realizing excellent manufacturing.

CRM
Customer Relationship Management System

- Highly controllable database
- Higher security
- Real-time data update

ERP
Enterprise Resource Planning System

- Systematic management
- Allocate resources properly
- Optimize enterprise operation

LRP
Logistics Resource Planning System

- ensure the supply of materials in a timely and appropriate amount
- Optimize logistics cost reasonably
- Organize and allocate logistics resources efficiently

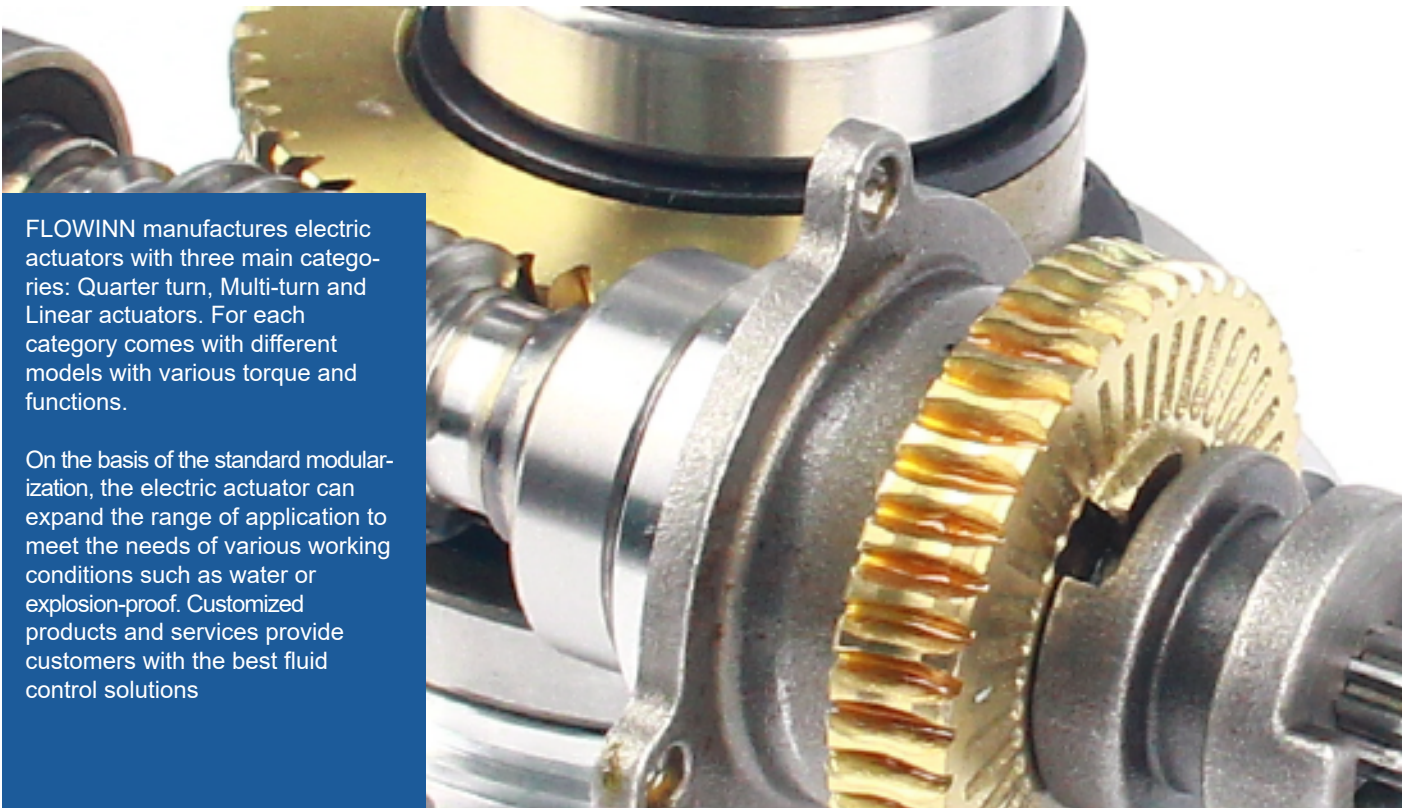
MES
Manufacture Management System

- Scheduling - Production
- Material requisition
- Return material - Quality control
- Warehousing

WMS
Warehouse Management System

- Fully automatic intelligent guide
- Improve enterprise storage information management
- Precise location management

Product Introduction



FLOWINN manufactures electric actuators with three main categories: Quarter turn, Multi-turn and Linear actuators. For each category comes with different models with various torque and functions.

On the basis of the standard modularization, the electric actuator can expand the range of application to meet the needs of various working conditions such as water or explosion-proof. Customized products and services provide customers with the best fluid control solutions

Quarter turn electric actuator

Multi-turn electric actuator

Linear electric actuator

Product Categories

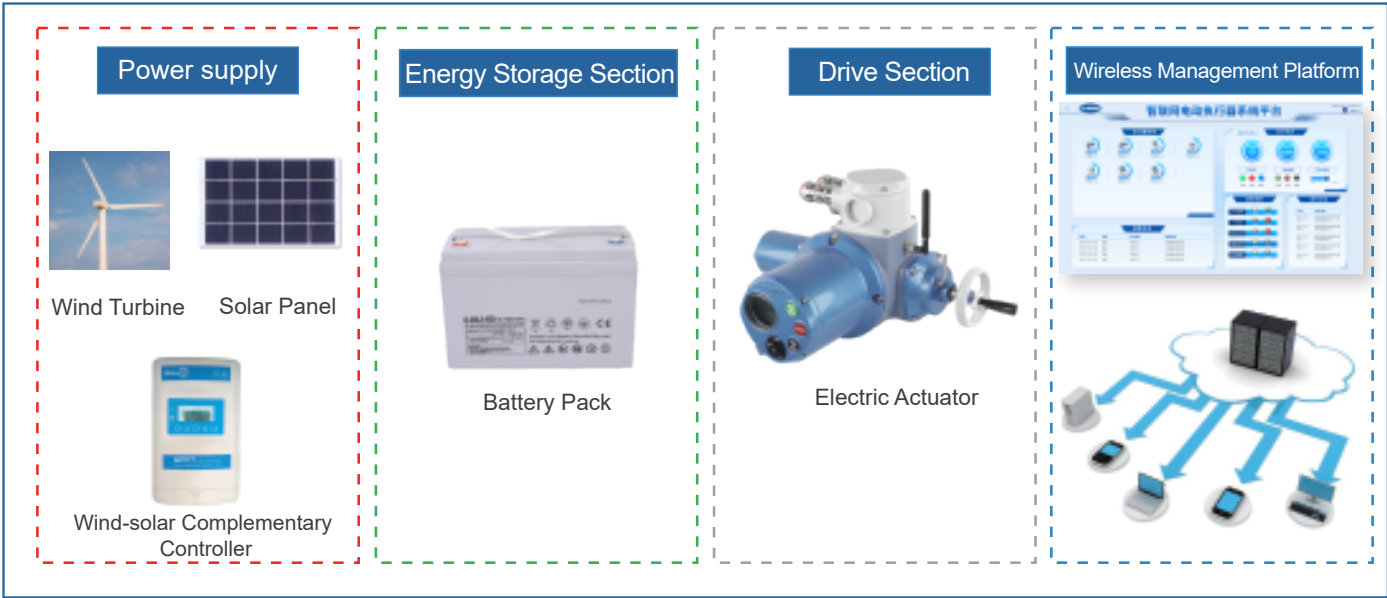
EOM Series (quarter turn)	
EOT Series (quarter turn)	
EOH Series (quarter turn)	
EMT Series (multi-turn)	
EMD Series (multi-turn)	
ELM Series (linear)	
IOT Series	

New Energy Cloud-based Controlling System

IOT Electric Actuator

			
EOT-X Series	EOM-X Series	EOH-X Series	EMD-X Series
Control Mode	Supports both traditional hardwiring and wireless remote control		
Wireless Communication Protocol	4G (standard) Wifi, Bluetooth, can be NB-IOT, LoRa, Zigbee etc.		
Wireless Uplink Protocol	MQTT		
Data Upload Frequency	3sec per frame (standard), the fastest can be 1sec per frame, depending on the valve operation condition.		
Distribution	Sweeping network distribution can be used to match different IoT access platforms through the FLOWINN distribution tool		
Platform Requirements	Standard MQTT access platform, support for AliCloud, Onenet, Tencent Cloud and other standard platforms, can also be privatized deployment.		
Standard Data Frame	Transmit operation status, current position, power status, fault information, etc. in standard Json format, which can be customized with different key-value pairs.		

Wind-solar complementary components



Performance Parameters

EFM&EOM Series Common Models



Torque Range	10~20000 N.m
Switch Time	8~155 s
Ambient Temperature	-25℃~70℃
Motor Specifications	Class F,with thermal protector up to +135℃; Optional:Class H
Relative Humidity	≤90% (25℃)
Anti-corrosion Class	Epoxy powder coating. NEMA 4X corrosion protection is optional
Protection Class	IP67(IP68 is available for Basic and Integral type)

EX Series Explosion-proof Models



Torque Range	35~8000 N.m
Protection Class	IP67(IP68 is available for Basic and Integral type; IP66 is available for Intelligent type)
Anti-corrosion Class	Epoxy powder coating.
Motor Specifications	Class F,with thermal protector up to +135℃; Optional:Class H
Certification	ATEX; IECEx; CSA;3C

Performance Parameters

EOT Series



Torque Range	50~6000 N.m
Switch Time	15~153 s
Ambient Temperature	-25℃~60℃
Motor Specifications	Class F,with thermal protector up to +135℃; Optional:Class H
Relative Humidity	≤90% (25℃)
Anti-corrosion Class	Epoxy powder coating.
Protection Class	IP67(IP68 can be customized)




EOH Series



Torque Range	35~5000 N.m
Switch Time	8~183 s
Ambient Temperature	-25℃~70℃
Motor Specifications	Class H
Anti-corrosion Class	Epoxy powder coating.
Protection Class	IP67(IP68 can be customized)

Performance Parameters

EMT Series	
<div><div><div>Basic Type</div></div><div><div>Integrated Type</div></div><div><div>Intelligent Type</div></div></div>	
Torque Range	35~3000 N.m
Speed	18~192rpm
Motor Specifications	Class F,with thermal protector up to +135°C; Optional:Class H
Anti-corrosion Class	Epoxy powder coating.
Protection Class	IP67(IP68 is optional)

EMD Series	
<div><div><div>Basic Type</div></div><div><div>Integrated Type</div></div><div><div>Intelligent Type</div></div></div>	
Torque Range	50~900 N.m
Speed	18~144rpm
Ambient Temperature	-30°C~70°C
Motor Specifications	Class F,with thermal protector up to +135°C
Anti-corrosion Class	Epoxy powder coating.
Protection Class	IP67(IP68 is optional)

Performance Parameters

ELM Series	
<div><div><div>Integral Type</div></div><div><div>Intelligent Type</div></div><div><div>Super Intelligent Type</div></div></div>	
Force Range	1000~25000 N;
Max Stroke	100mm;
Ambient Temperature	-25°C~70°C,
Motor Specifications	Class F,with thermal protector up to +135°C; Optional:Class H
Anti-corrosion Class	Epoxy powder coating.
Protection Class	IP67

Other products			
<div><div>ETM Spring Return</div><div><ul style="list-style-type: none">• Max Torque Range: <u>50-600Nm</u>• Voltage: <u>110V/220VAC 1P</u>• Ambient Temperature: <u>-20°C~ 65°C;</u>• Ingress Protection: <u>IP66 (Customizable: IP67/IP68)</u>• Electric switching time: <u>51~60 seconds</u>• Return time: <u>less than 10 seconds</u>• Return direction: <u>standard clockwise return, counterclockwise return is optional</u></div></div>	<div><div>EMT Metering pump</div><div><ul style="list-style-type: none">• Max Torque Range <u>30Nm / 50N.m</u>• Voltage <u>110V/220VAC/DC24V 1P</u>• Rated speed <u>9-22rpm</u>• Ambient Temperature <u>-20°C~ 65°C;</u>• Ingress Protection <u>IP67</u></div></div>	<div><div>HVAC Series</div><div><ul style="list-style-type: none">• Output Range <u>500-3000N</u>• Largest Travel <u>22m; 42m</u>• Motor Specification <u>Class B</u>• Ambient Temperature <u>-40°C~ 60°C;</u>• Ingress Protection <u>IP54</u></div></div>	<div><div>EMP Multi-turn Series</div><div><ul style="list-style-type: none">• Output Torque <u>5.5Nm</u>• Applicable Voltage <u>DC24V</u>• Maximum Laps <u>7</u>• Ambient Temperature <u>-25°C~ 70°C;</u>• Ingress Protection <u>IP68</u></div></div>

Application Field



- Medical Care
- Hydo Electricity
- Shipping and Marine
- Smelting
- New Energy
- Water Treatment
- HVAC
- Oil and gas
- Chemical
- Power plant
- Food and Beverage
- Other industrials



Quality & Service



FLOWINN'S professional service team is ready to provide users with comprehensive services and professional technical supports at all time:

- No matter is it by phone, mail or on the site, we are standing by for your inquiry
- Fast delivery time
- Regularly follow up our products status and maintenance
- We provide training for knowledge, operation, debugging, maintenance and more

CUSTOMIZED PRODUCTION:

As to Flowinn, there is no such thing called IMPOSSIBLE. For special requirements, we provide customized solutions.

FLOWINN reserves the right to interpret and change its warranty policy without further notice.

2 years warranty

7 days
Standard product
7-day leadtime