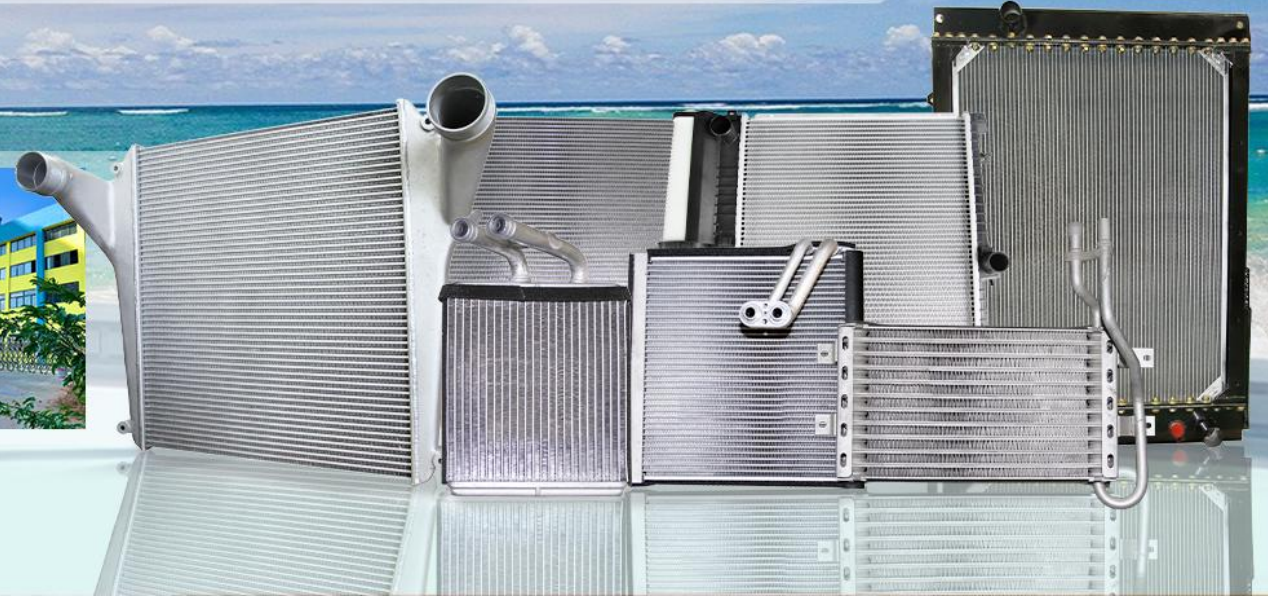




TONGSHI PRODUCT VARIETY DIVERSIFICATION, COMPLETE MODELS

Main Products: Radiator | Condenser | Heater | Intercooler | Oil Cooler | Evaporator



GUANGDONG XIN TONGSHI GROUP CO.,LTD

Factory Add: Lianhe Village, 106 National Highway, Tangtang Town, Fogang County, Qingyuan City, Guangdong, China

<http://www.tongshirad.com> Email: amily@tongshirad.com



TONGSHI



CATALOG



13 / COMPANY SUMMARY
公司概况



22 / XIN TONGSHI'S ADVANTAGE
鑫统仕优势

37 / BUSINESS DEPARTMENTS
AND PRODUCTS
事业部和产品



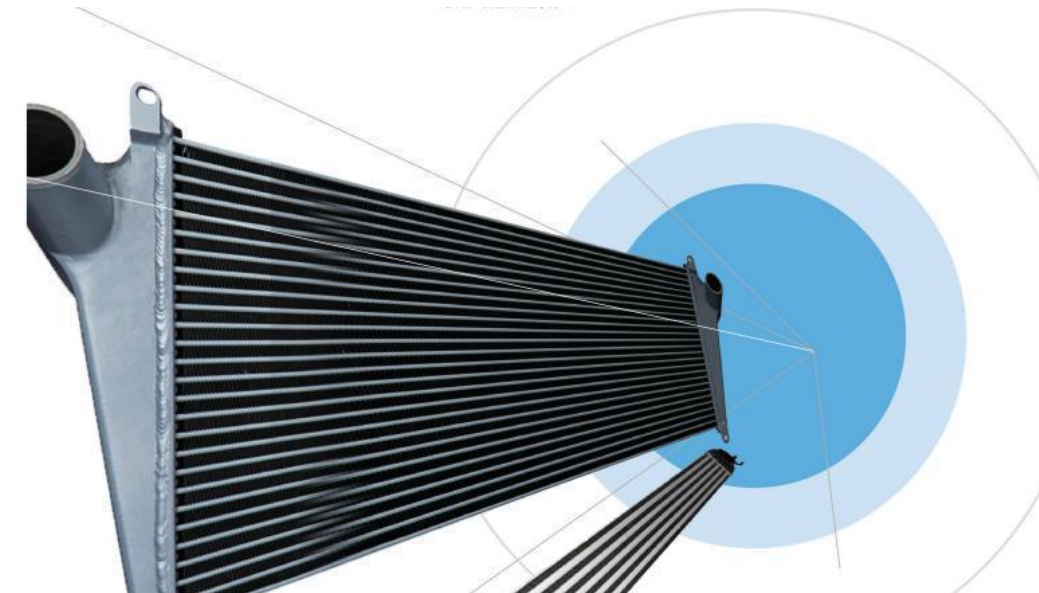
47 / QUALITY CONTROL
质量管控

57 / BUSINESS LAYOUT
业务版图

→ About us

GUANGDONG XIN TONGSHI GROUP CO.,LTD from Guangdong China, is a professional manufacturer and High-tech Enterprises, who is specialized in self-developing, designing and producing according to customer's drawings and samples in vehicle thermal system industry. Our company was founded in 2004, factory area up to 160,000+sqm with more than 1500+ workers.

Our trademark "TONGSHI" was registered in China in 2006, and also be applied for the registration in more than 40 countries including USA., EU, U.A.E, Malaysia etc with almost 20 brand agency. What's more, our products have been exported to more than 100 countries, which are from North America, Middle and South America, Europe, Middle East, Southeastern Asia, Australia and Africa. We have more than 10,000 models in over 58 series which includes copper and aluminum radiators for cars of all sizes, bus, truck, generator, and construction vehicle, and heater core, A/C condenser, intercooler, oil cooler and evaporator etc. with full range of models, variety of our products, good quality and competitive price. "TONGSHI" brand products enjoy great reputation and becomes one of the top manufacturers in the industry.





1. Company Profile

→ Development History

Launch T100 integrated project and management improvement system. Year 2021 added 3 production bases (Guangdong Xinya Air Conditioning Manufacturing Co.,Ltd and Xin Tongshi (Jiangsu) Heat Exchange System Co.,Ltd ,Hunan Tongshi Heat Exchange Technology Co., Ltd.

Set up and operate branches in Vietnam and Dubai .
Founded Guangdong AKV Trading Company.

Renaming 'Guangdong Xin Tongshi Vehicle Thermal System Co. Ltd', and set up R&D Institute.

The No.2 Factory Plant have been completed ,start heater production line.

Moved to Tangtang Town, Fogang County and Renamed it "FogangXin Tongshi Auto Radiator Co. Ltd"

2004

2008

2011

2012

2013

2015

2016

2018

2019

2020-2022

founded in Guangzhou, start to produce Copper, Aluminum Radiator .

Passed the Certification of ISO/TS16949:2009 Quality Management System.

Start Condenser production line and founded Guangzhou Casselin Trading Company.

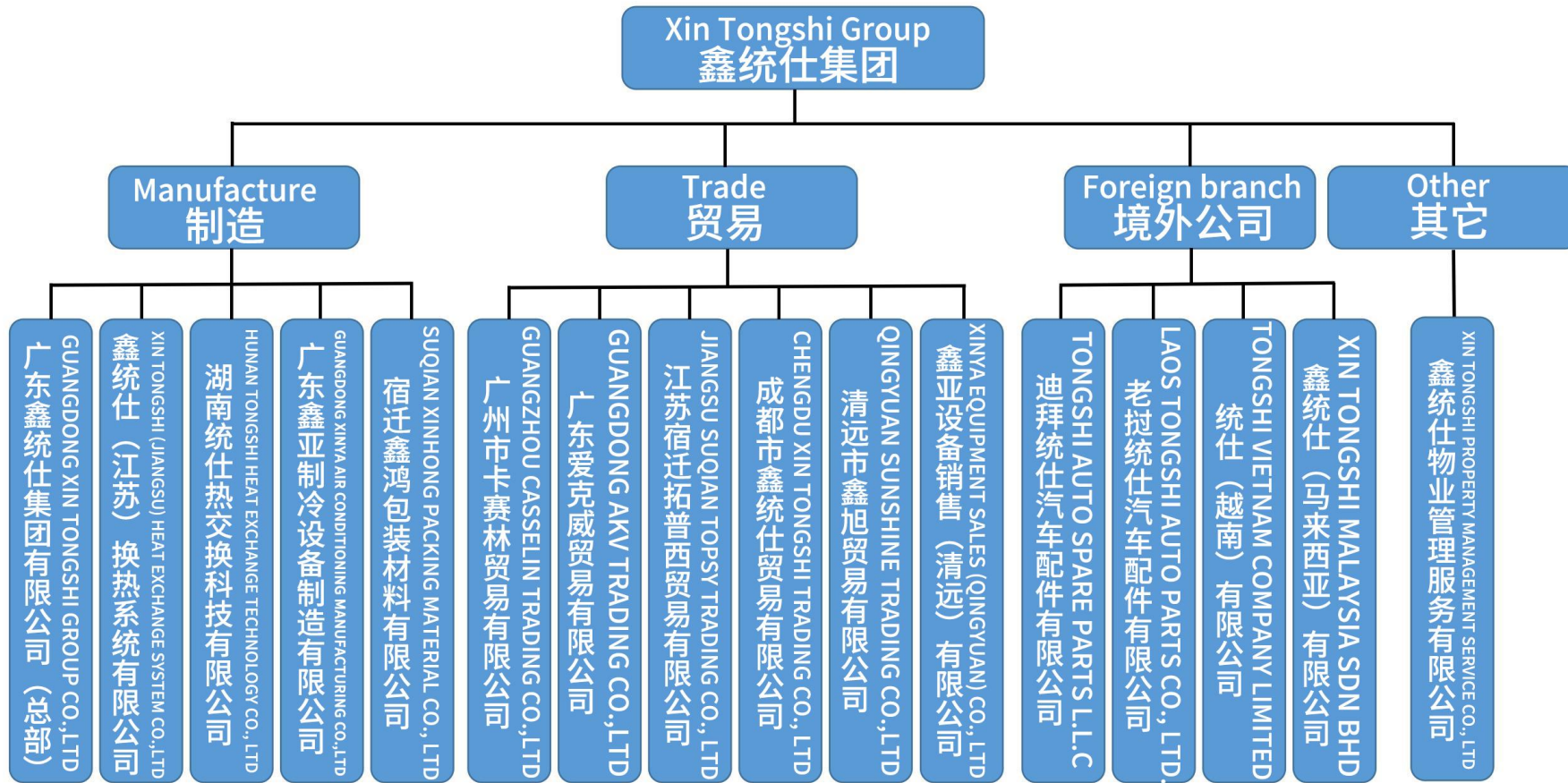
The No.3 factory plant have been completed. Start Radiator Tank Manufacturing line;start to use ERP Management System to Improve our delivery performance.

Set up overseas subsidiaries (Tongshi Auto Spare Parts L.L.C,Laos Tongshi Auto Parts Co., Ltd. , Xin Tongshi Malaysia SDN BHD

1. Company Profile

→ Corporation Structure

We develop according to Amoeba management mode, now we have 4 foreign branches, 5 factories, 6 trading companies.



1. Company Profile



- | | | |
|---|---|--|
|  AUDI 91系列 |  HYUNDAI 70系列 |  ROVER 83系列 |
|  BENZ 77系列 |  ISUZU 76系列 |  SAAB 94系列 |
|  BMW 28系列 |  JAGUAR 51系列 |  SUBARU 81系列 |
|  CHINESE CAR 63系列 |  KIA 82系列 |  SUZUKI 86系列 |
|  CITROEN 61系列 |  LONDON 67系列 |  TATA 90系列 |
|  DAEWOO 84系列 |  MAZDA 71系列 |  TESLA1 69系列 |
|  DAIHATSU 80系列 |  MITSUBISHI 72系列 |  TOYOTA 二 (75303-75603) |
|  FIAT 60系列 |  NISSAN 73系列 |  TOYOTA 一 (75000-75301) |
|  FORD 78系列 |  OPEL 33系列 |  TOYOTA三 (75604-15XXX) |
|  GM,DODGE 79系列 |  PEUGEOT 88系列 |  VOLKSWAGEN 93系列 |
|  HOLDEN 89系列 |  PORSCHE 92系列 |  VOLVO 87系列 |
|  HONDA 74系列 |  RENAULT 85系列 |  乘用车散热器分公司产品目录索引 |



Basic information:

Annual output : 4,180,000pcs

* Passenger car radiator : 2,000,000pcs

* Truck radiator : 100,000pcs

* Off-road Vehicles Radiator: 100,000pcs

* Condenser : 600 ,000pcs

* Heater : 1,200,000pcs

* Intercooler : 70,000pcs

* Oil cooler : 60,000pcs

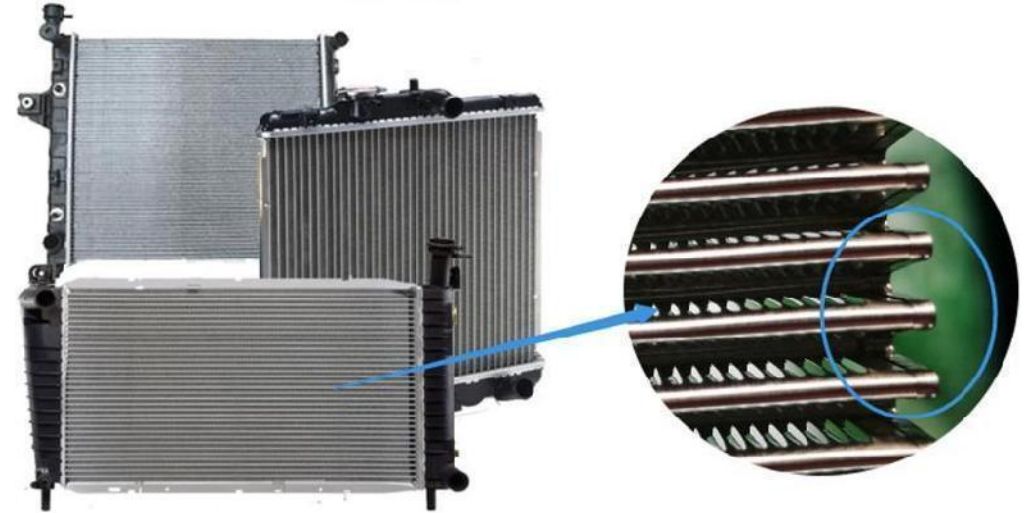
* Evaporator : 50,000pcs

still have more capacity in our Jiangsu factory...

Technological innovation

In the past three years, the company has obtained 15 utility model patent certificates issued by the State Intellectual Property Office and 2 invention patent certificate.

We are also important Hi-Tech manufacturer and engineer technology institute in our local city.



We applied Patented Flanging Fin Technology (utility Model Patent Code: ZL201020595595.3) for our radiator/condenser fin, which allows more stable crest and fuller brazing.

Except for special requirement, our products use composite layer tube.

Wide range of models to meet every customers' demands.

R&D ability

We have 5 CNC mold processing center equipment.

We have various lathe - milling centers, grinding machines, WEDM, laser cutting and other mold development equipment.

We will develop 50 new products and launch to our old customers every month.



Testing center

真空爆破试验台,
压力脉冲试验台,
高温老化试验台,
冷热循环试验台,
振动试验台,
耐碎石冲击试验台,
落锤冲击试验台,
电子万能试验台,
摆锤冲击试验台,
纸箱边压试验机,
纸板撕裂强度试验机,
3D成像测试仪,
真圆度测定仪,
三坐标测量仪,
盐雾测试台,
等.....



Vacuum blasting test benches;
Pressure-circulation test bed,
High temperature aging test rig,
Thermal cycle test benches;
Vibration testing machines;
Stone impact resistance test bench,
Drop weight impact test rig,
electronic stretching-testing machines,
Pendulum impact test rig,
Carton compression testing machine
Carboard bursting strength machines,
3-D image measuring machines,
Roundness measuring instruments;
Three-coordinate measuring machine.
Salt spray test benches

We have full range of testing equipment in testing center inside our factory.
We will make the necessary testing on the new products and also make improvement on the ones which we got quality feedback from the markets.

MANUFACTURING FACILITIES

6 tube mills

4 continuous nitrogen-protection brazing furnaces

58 core assembly machines – 10 automatic

35 fin machines

13 plastic injection machines

35 Stamping Machines

5 Automated welding machines



3. Production bases & products

* Headquarter & 1st Production base:
Guangdong XIN TONGSHI GROUP CO.LTD



location : Lianhe Village ,106 National Highway,Tangtang Town,Fogang County,Qingyuan City,Guangdong,China (100km from Guangzhou; 1hour from Guangzhou Baiyun Airport)

Factory area:
61,132m² ;

Worker: 900+

Main Product Line:
Brazing Radiator for passenger car/Truck/forklift/generator/construction vehicles; Condenser、 Intercooler



3. Production bases & products

(1) Passenger Car Radiator



We have advanced production equipment and strict product quality assurance system, and we produce up to 50 series of more than **7,000 models** of radiators for cars, mini-cars, light-duty vehicles and trucks.

We have a complete line of production processes such as parts cleaning, core assembly, core brazing, water tank crimping, product testing, and product packaging.

Products type: Radiators for various car models;

OE customer: Hunan CRRC (Electric bus)

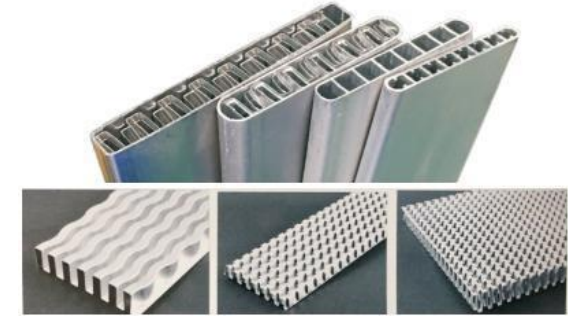
3. Production bases & products

(3) Truck Radiator & intercooler

Main Product:

Radiator for light truck , heavy duty trucks, bus, forklifts, construction/engineering vehicles (excavators, generators, etc); BC, AA and PA type ; SKU: 500+

Intercoolers (AA and PA type); SKU:400+



3. Production bases & products

(2) Condenser

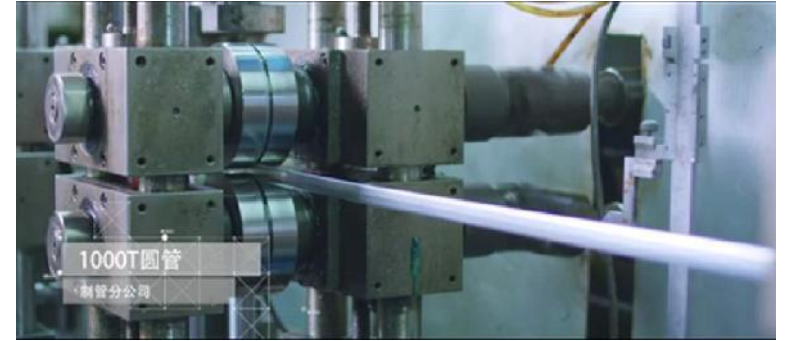
We specialize in the development and production of parallel flow vehicle condensers.

At present, there are two types of condensers with **Fin 5 and Fin8**, and the tube type has **12, 16, 22, and 26mm** specifications, which can meet the different market needs of different customers.

**At present, SKU are more than 1,500, and every month we are developing 20 new models.
we start to use helium testing for condenser from end of year 2023.**



Tube production line



We have fully automatic modern production lines, with 4 sets of advanced high-frequency tube making machine, specializing in the production of various high-frequency welding aluminum radiator tubes. These tubes are mainly used in vehicle radiators, air conditioning industry, heater cores and intercooler cores. At present, our company produces 17 types of the high-frequency welding aluminum radiator tubes with composite layers, 10 types of tubes without composite layers, 1 type of newly developed intercooler tubes, and the thickness of aluminum tubes is 0.26mm- 0.40mm. The products not only meet the needs of domestic radiator manufacturers, but also are exported other foreign countries.

Product type: high-frequency welding aluminum radiator tubes, intercooler tubes, heater tubes, condenser tube.

Hardware parts



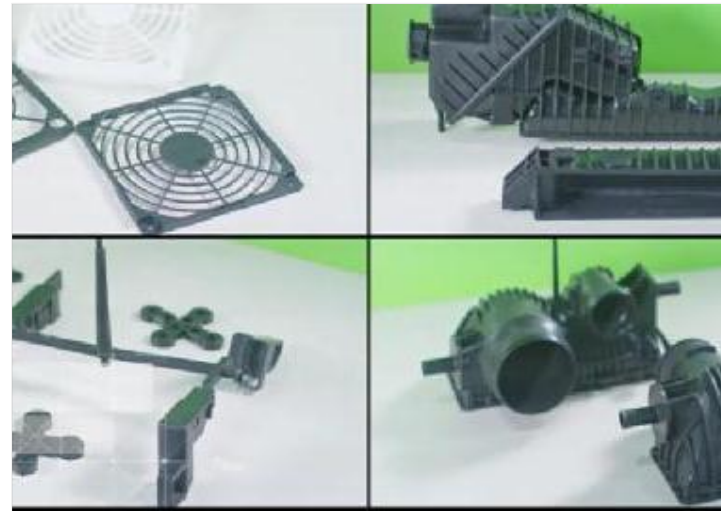
We are a professional branch of precision die stamping and precision sheet metal parts production. We have advanced production equipment and automated production lines.

Production of compact sheet metal, stamping, sheet metal manufacturing, welding, spraying, etc.

Plastic tanks

With more than 11 injections equipments, we have developed nearly 600 sets of plastic molds, more than 1500 models of water tank products.

The complete set of injection molding production line can injection all kinds of radiator tank, intercooler tank, plastic bracket, pressure plate, etc., and injection molding equipment has the ability to produce PP, PE, ABS, PVC and other products.



Mould workshop

We specialize in the designing and manufacturing the molds for automotive parts and components.

Product Type:

1. various vehicle thermal system hardware molds (continuous mold), plastic molds, tensile molds, die-casting molds.
2. OEM: Injection molding, metal stamping, stretching, laser cutting, computer gong, wire cutting, CNC lathe, CNC punching.



3. Production bases & products

* 2nd Production base: Xin Tongshi(JiangSu) Heat Exchange System Co.,Ltd



location :No.26 of Jinshajiang West Road,Sihong Economic Development Zone, Sihong County, Suqian City, Jiangsu

Main Product Line: Radiator、 Heater、 Oil Cooler、 Evaporator、 Mechanical Radiator

Factory area: 60,606m²+

Worker: 300+

Sales revenue:

3million US Dollar (2021)

9million US Dollar (2022)

21million US Dollar (2023)

target for 2024: 30million US Dollar



about Xin Tongshi(Jiangsu)

- office building
 - living area (canteen&dormitory)
 - 1. Heater workshop
 - 2. Oil cooler
 - 3. Evaporator & warehouse
 - 4. Brazing radiator
 - 5. Mechanic radiator & carton workshop
 - 6. Tube making workshop
 - 7. warehouse for ready goods
 - 8. construction is scheduled to be completed by year 2024 (23,000Sqm)
- (3 & 5, we built in 2022, 25,000Sqm)





TONGSHI

3. Production bases & products



Xin Tongshi (Jiangsu) Heat Exchange System Co.,Ltd

- **Location:** No.26 of Jinshajiang West Road,Sihong Economic Development Zone, Sihong County, Suqian City, Jiangsu.
Distance to port: Lianyungang-230km; Qingdao/Shanghai-480km; Ningbo-600+ km
- It is a wholly-owned subsidiary of XIN TONGSHI GROUP.
- **Registration date:** 27th January 2021
- **Registered capital :** 35 million yuan
- **Factory area:** 60,606m²+
- **Worker:** 300+
- more than 30 sets of testing and experimental equipments
- 6 production workshops, main products: brazing radiators, heaters, oil coolers, evaporators,merchanial radiators.
- got certificate of IATF 16949:2016 for full range of products in Jan. 2023.
- the production output is increasing year by year. now it has developed into the second largest production base of GUANGDONG XIN TONGSHI GROUP CO.LTD.



3. Production bases & products

(1) Passenger Car Radiator (Brazing)

Production officially started in October 2021

Monthly production: 30,000--40,000 pcs;

2024 target: 550,000 pcs;

100% air leak testing

Test Standard: 150KPa, pressure keeping time: 30S

We have advanced production equipment and strict product quality assurance system, and we produce up to 50 series of more than **9,000 models** .

We have a complete line of production processes such as parts cleaning, core assembly, core brazing, water tank crimping, product testing, and product packaging.

Warranty : two years.



3. Production bases & products

(2) Heater

2023 output : 800,000pcs

2024 target: 1,000,000 pcs;

Test Standard: 197KPa, pressure keeping time: 60S

SKU: 1400+

98% components in-house made;

Product type: Fin 4, Fin 5 and Fin 8 ; All-Aluminum Heater, Plastic-Aluminum Heater; mainly brazing heater , now can also make mechanical heater.

OE customer: JAC, Chery, Geely.



for Scania



3. Production bases & products

(3). Transmission Oil cooler (Painted and Unpainted; universal type)

Production officially started in October 2021

Monthly output: 6,000-7,000 pcs;

Monthly capacity: 10,000PCS

2024 target: 100,000 pcs;

Available: 250 models (Still developing)

Testing Standard: Water Test (0.7MPa)

* Oil cooler for radiator

Yearly output : 150,000pcs



3. Production bases & products

(4). Evaporator

Production officially started from Feb. 2023

Monthly output: 3000-4000pcs

2024 target: 100,000 pcs;

We can make :

Parallel flow type: 35、 38、 48mm; Stacked type:58、 65、 74mm;

Haval structure

SKU: 450 (Still under developing)



Evaporator



3. Production bases & products

(5). Mechanical Radiator

Production officially started in July,2023

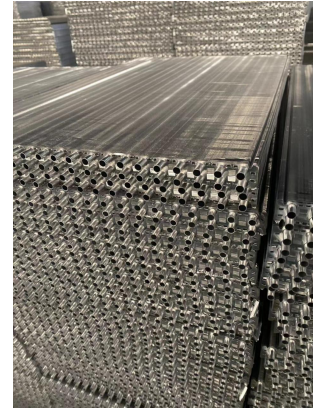
Test Standard: 250Kpa

SKU: Now 916, every month increasing.

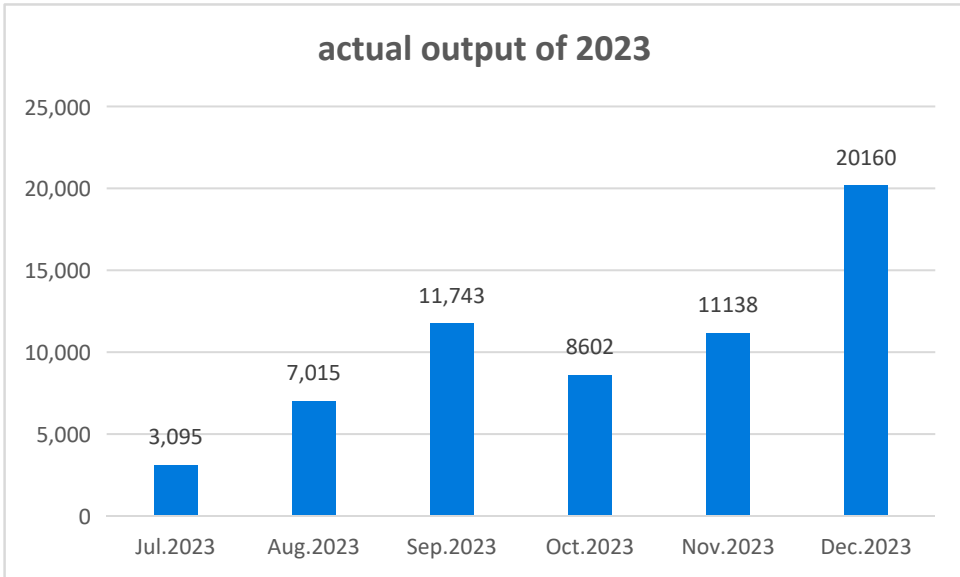
In-house made: HP,SL,carton,most tank;

Machinery: match for 3 prodction lines.

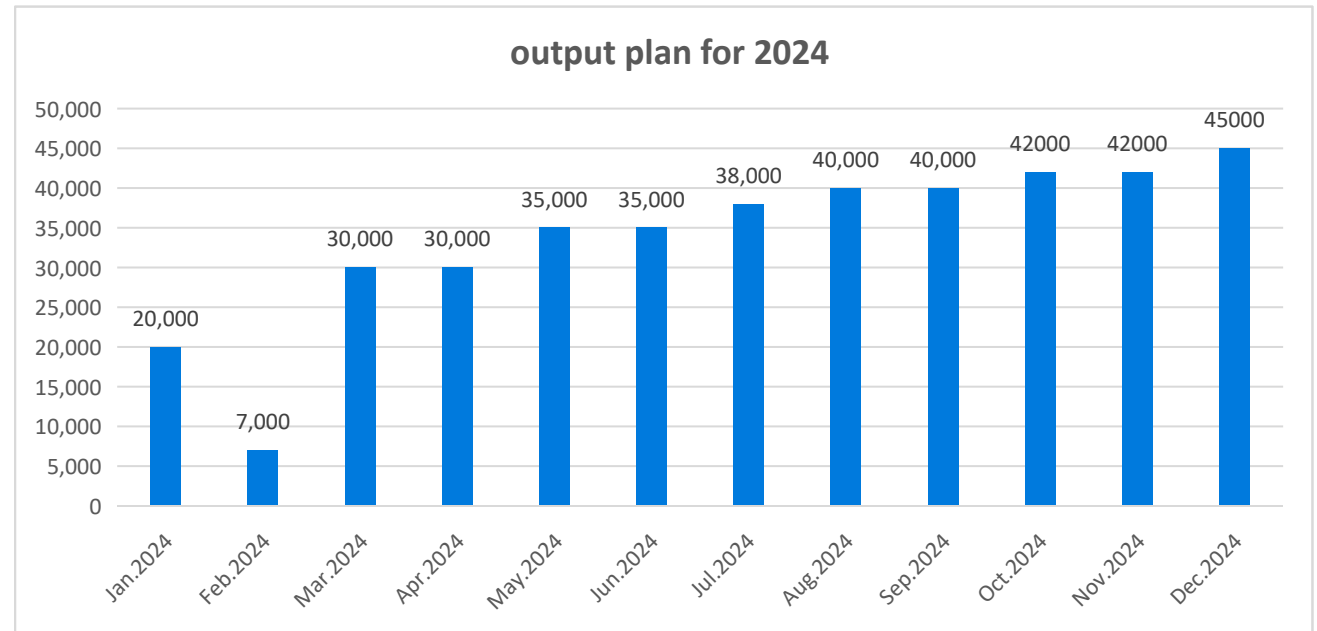
Output of 2023: 61753pcs; Target of 2024: 400,000pcs



actual output of 2023



output plan for 2024



3. Production bases & products

* 3rd Production base:
Hunan Tongshi Heat Exchange Technology Co., Ltd



location : No.2 Changfeng Avenue,Lengshuitan District,Yongzhou City, Hunan Province

Main Product Line: Condenser、 Evaporator

Factory area: 7,785m²+

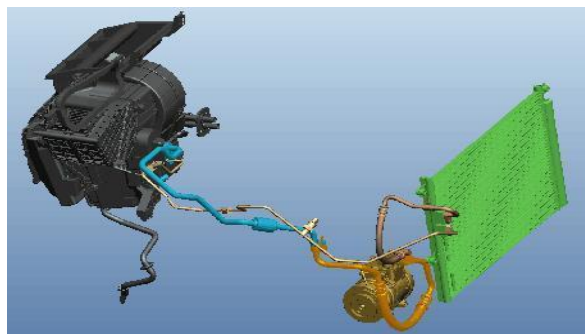
Worker: 80+

Yearly output :1000,000 pcs



Main Products

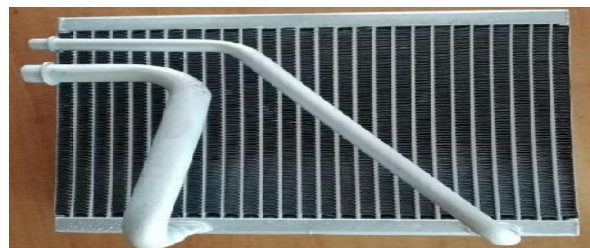
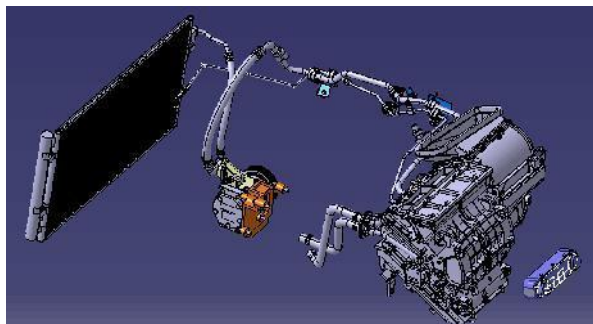
Cheetah CS9 air conditioning system assembly



(26W, 42W, 52W)

Plastic/all-aluminum intercooler

Cheetah CS10 air conditioning system assembly



Parallel flow evaporator

(38W, 56W)

Main Customers OEM,ODM



3. Production bases & products

* 4th Production base:
Guangdong Xinya Air Conditioning Manufacturing Co.,Ltd



Location : No.5 Jubao Road,Jubao Industrial Park,Lianhe Village,Tangtang Town,Fogang County,Qingyuan City,Guangdong,China (5km from our headquarter)

Main Product Line: Industrial air conditioning and refrigeration;Chiller Equipment;Rubber equipment

Factory area: 29,698m²+

Worker: 70+



3. Production bases & products

Industrial air conditioning and refrigeration: products are divided into two major module categories

Product Category : Chiller Equipment (Central Air Conditioning - Industrial Refrigeration - Refrigeration)

Product Category 2: Central Air Conditioning Terminal Equipment



Strictly implement IATF16949:2019 quality management system certification.

Quality policy:

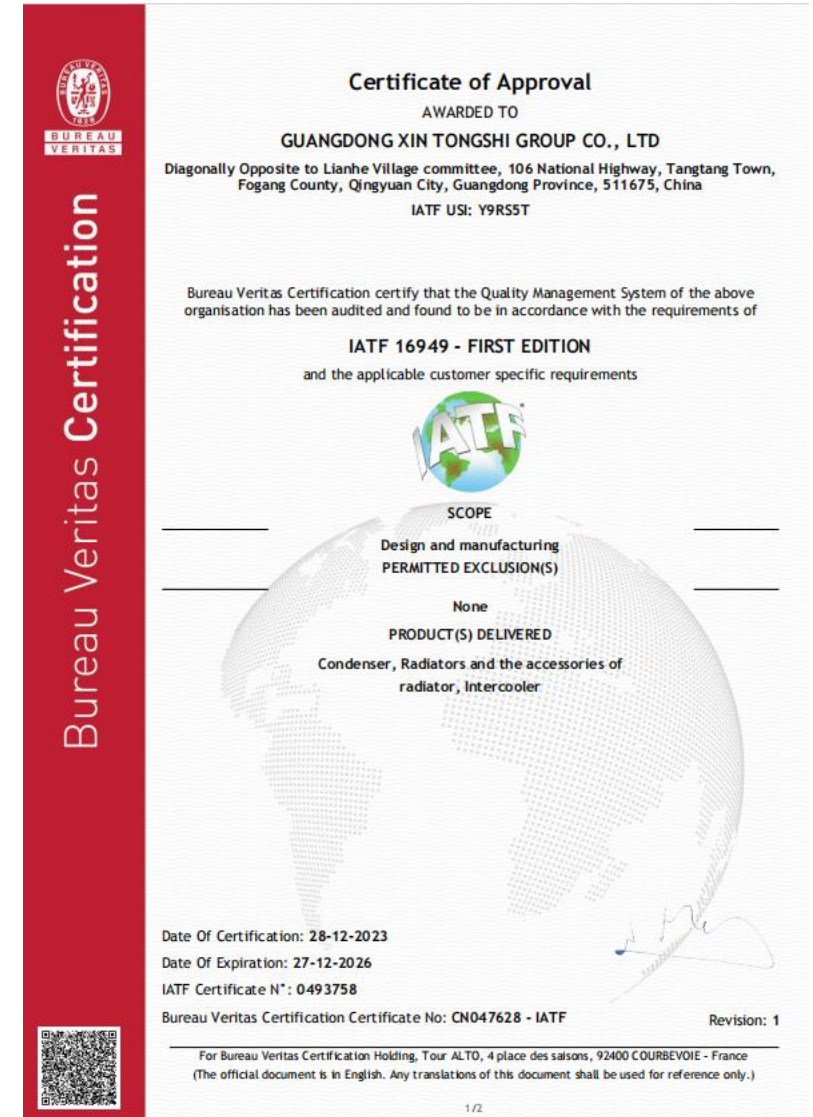
Quality excellence to gain markets

Production variety to win clients

Managing improvement to seek progress.

1. Our production is under comprehensive control starting from APQP(Advanced Product Quality Planning)/CP(Control Plan)/SOP(Standard Operation Procedure)/inspection specifications/CSR(Customer Specific Requirement) and other technical documents then to product process (material accepts need/process control/product inspection) and end with shipment inspection. We strictly implement the three principles for quality assurance: do not accept bad products, do not manufacture bad products, do not deliver bad products.

2. According to the production process of the product, we carry out key monitoring and special inspections on key processes (brazing, crimping) and key links (sealing inspection), and the pass rate of finished products is over 99.7%.

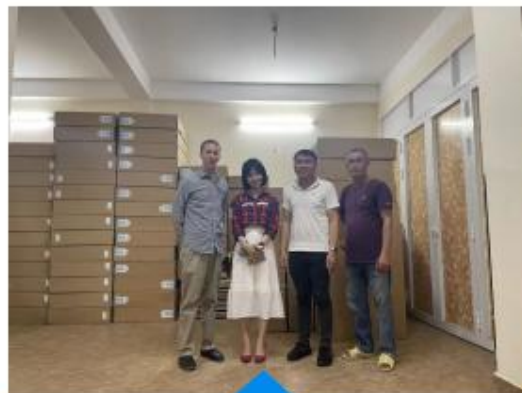


Business scope





Overseas branch



Tongshi Vietnam Company Limited

In Vietnam



Tongshi Auto Spare Parts L.L.C

In Dubai



XIN TONGSHI (M) SDN.BHD.

In Malaysia



Laos Tongshi Auto Parts Co., Ltd.

In Laos

WHO IS AKV?



Basic information:

History: Independent from Group company in 2018; founded a subsidiary in Laos in 2020 and founded a subsidiary in Qingyuan City in year 2021. Now has 36 workers.

Main Products: automotive engine cooling system,air conditional system,such as radiator, Intercooler,heater,fan shroud,fan motor/condenser,evaporator,compressor,oil pipe,oil cooler,etc.;

Main Market: For overseas, our products cover more than 50 countries, North America, Southeastern Asia,Europe,Oceania,Central America,Central Asia and so on;

Main Brand: "TONGSHI" and "AKV". And we have brand agent in many countries of In Southeastern Asia and Central America;

<http://www.akvtrading.com>



Team building (2022)



Sponsor for car racing event



Team building (2023)



Exhibitions at home and abroad



Automechanika Shanghai-Shenzhen (2023)



AUTOMEK 2023 BRAZIL(2023)



133th Canton Fair(2023)



Products range:

One-stop Supply Chain

AKV supported mainly by Xintongshi and relied on other suppliers, vigorously expands in goods and services.



Condenser



Heater



HD Radiator



Generator Radiator



Intercooler



Evaporator



PA Radiator



AL Radiator



Oil Cooler



Copper Radiator



FORKLIFT Radiator



Mechanical Radiator

One-stop Supply Chain for auto spare parts

AKV supported mainly by Xintongshi and with good reputation in Chinese auto spare parts industry, we got good support on other suppliers for other auto spare parts, such as electronic fan, blower moter, water pump, engine oil cooler, compressor, brake pads etc..



Compressor



Fan Assembly



Starter



Rubber Hose



Expansion Tank



Brake Pads



Water Pump



Blower Motor



Clutch



Engine oil cooler



Head Lamp



Control arms

Products range:

PALLETS



DUTY RACK



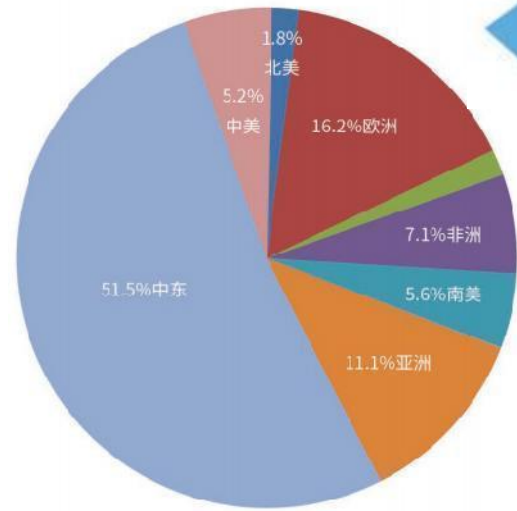
FORKLIFTS



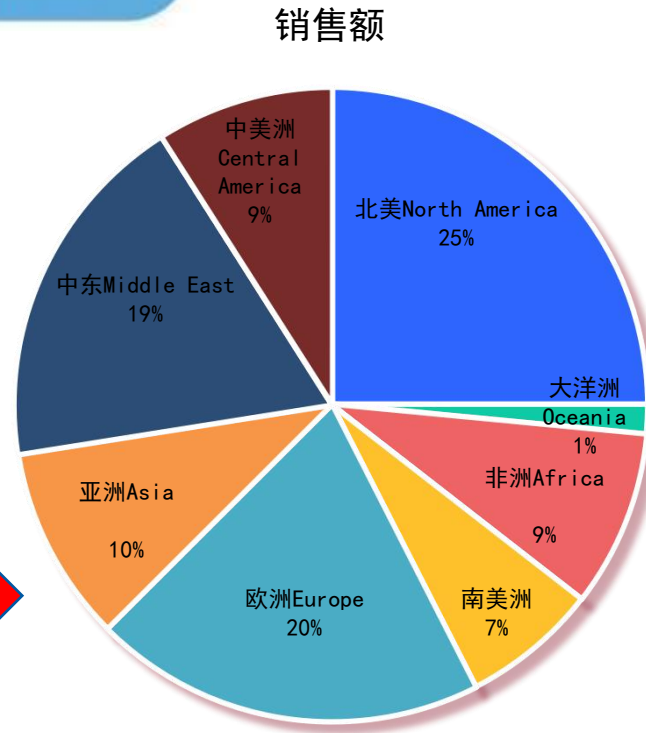


5. BUSINESS LAYOUT

The Market Distribution changed a lot from year 2013 to year 2022. Our main marketing from Middle East market gradually expanded to the North American and European markets.



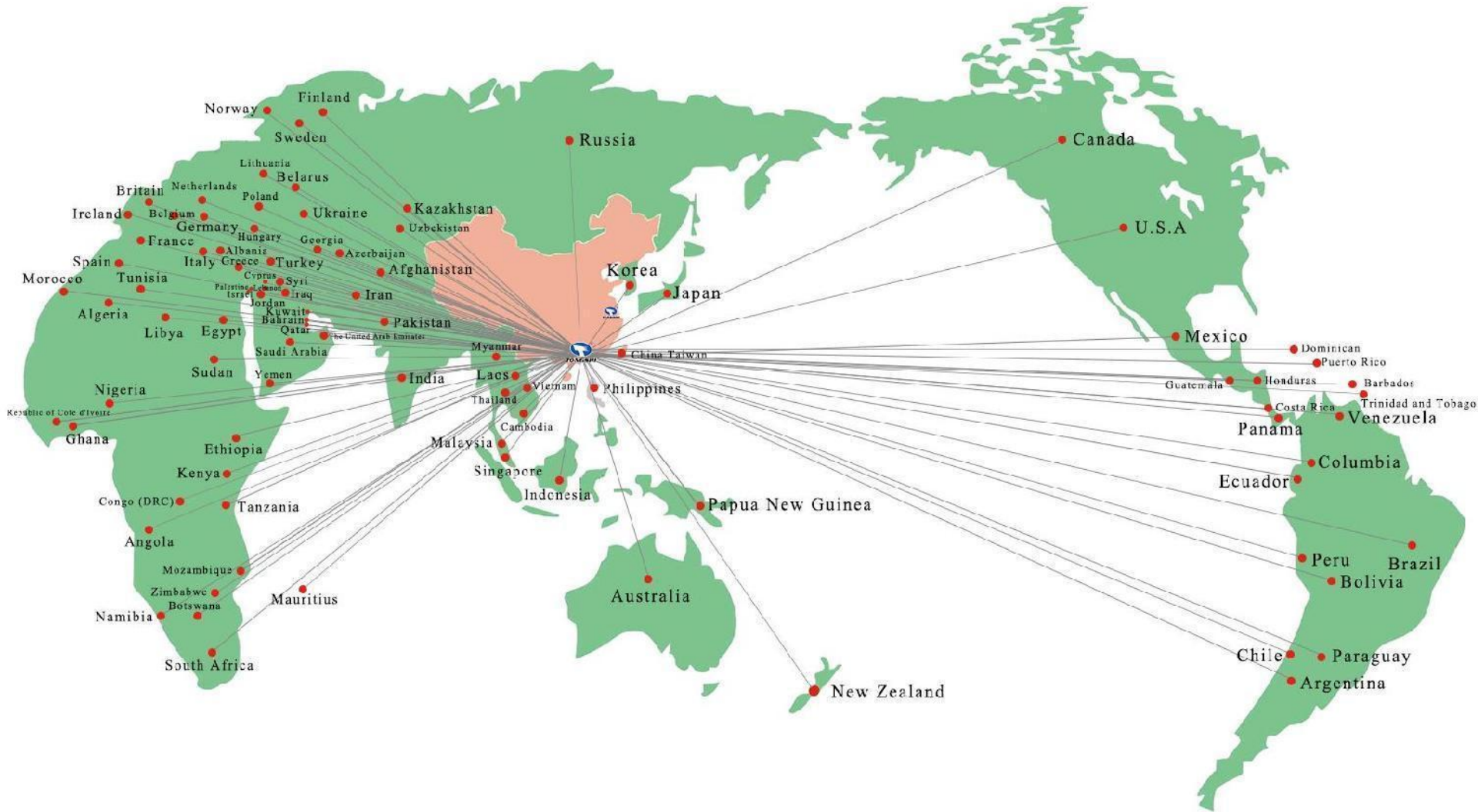
2023年市场分布图
2023 Market Distribution



Our brand “TONGSHI” has registered in China in year 2006 and registered in more than 40 countries all over the world. It has developed 20 brand agents in domestic and foreign countries, exported to over 100 countries, including North America, Central America, South America, Middle East and Europe etc. Our products enjoy great praise among foreign countries and domestic markets.



export to more than 100 countries all over the world ~
sales volume keep increasing over 15% every year ~



Why choose us?



100% air leak testing and strict quality control.



automatic production lines and advanced production technology.



Professional customer service
24hours online six days a week



Focused on the radiator industry for over 20 years



Complete laboratory testing equipments



Almost 90% of the components are done in-house inside the factory (including the molds)



Multiple products, can combine for container shipment(with less MOQ than others)



wide range of radiator, condenser, heater, etc. (more than 10000 SKU)



诚信为本，品质为先，服务客户，全球拓展，成就统仕，奉献社会

Thank you for your great support and trust in the past years!

We are always working hard for our better future, hoping that we will become your important business partner from China!