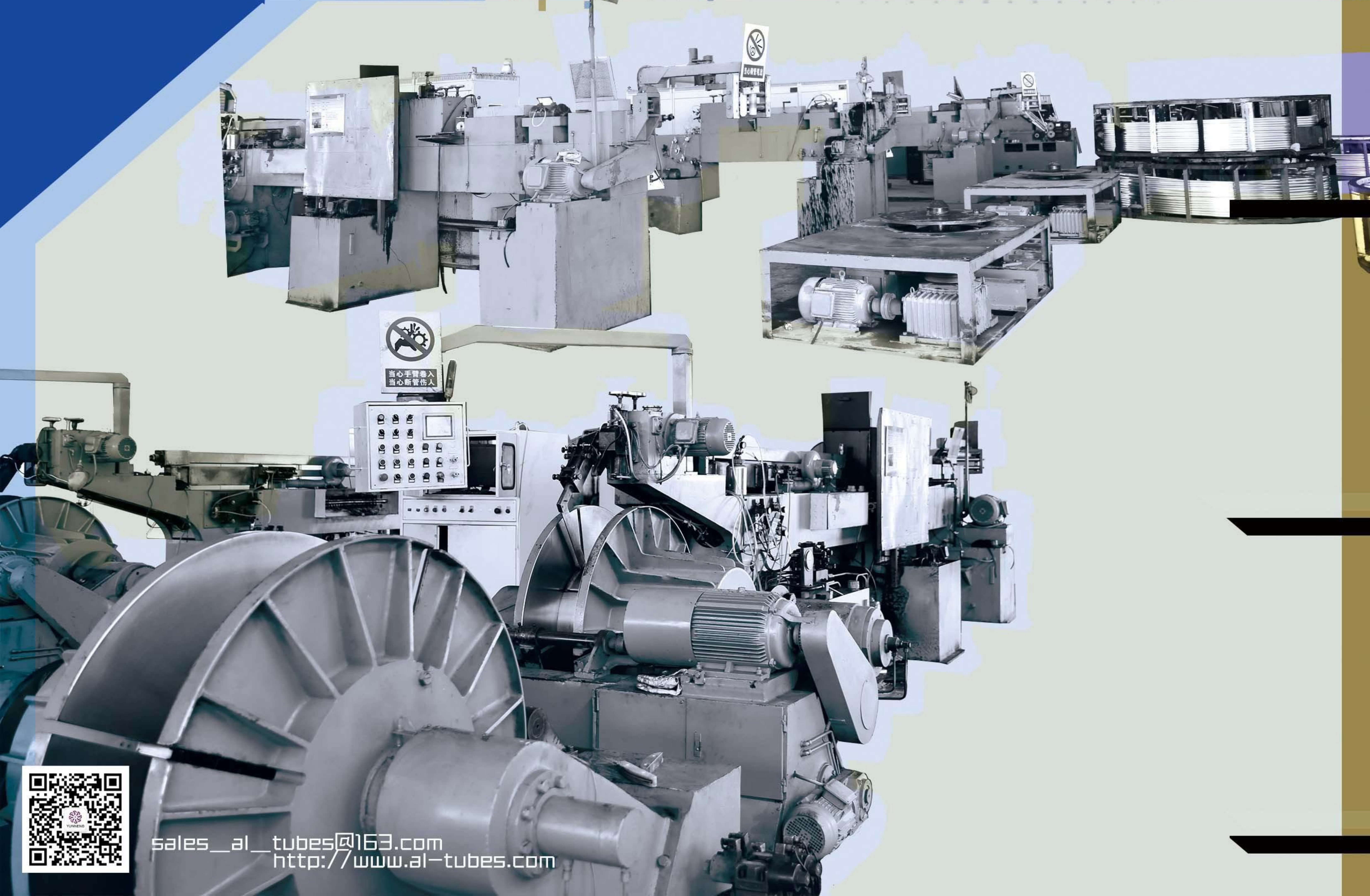


YUNNENG





ABOUT US

Jiangsu Yuneng New Material Technology Co.,Ltd. is a high-tech enterprise integrating R&D, production and sales of high-quality precision aluminum tube materials. The team is committed to providing high-precision and high-corrosion-resistant aluminum alloy new materials and parts for the global refrigeration thermal engineering and new energy fields, and is the pioneer in the field of corrosion-resistant high-tooth aluminum tubes in China.

Research Team 科研团队

The core team has established joint R&D laboratories with Xi'an Jiaotong University, Nankai University, Changzhou University and other universities and research institutes. research institutes have joint R&D laboratories for industry, academia and research. The researchers pursue technology and process innovation, and continuously expand the invention and technology patents.

Internal Thread Aluminum Tubing

About



内螺纹防腐铝管



b. Performance Advantage

Threaded aluminum tubes in evaporators enhance heat transfer – increasing the heat transfer area, increasing the number of vaporized cores, and increase liquid film turbulence of the liquid film.

a. Unique construction

The different thread shapes and tooth heights of the inner tube are unique. tooth height can greatly increase the product heat transfer surface area, reduce the use of refrigeration medium and optimize the cost. cost optimization.

Company Vision 企业使命

The company has always been concerned about the industrial frontier, plowing the core technology. We strive to keep in line with the industry trends and meet the development needs of the times.

Features 特性



Business Introduction

The company has hot extrusion, composite molding, coil pulling, joint pulling, heat treatment, straightening and cutting, flaw detection and rewinding and other composite molding process production lines. The company has composite molding process production lines such as hot extrusion, composite drawing, joint drawing, heat treatment, straightening and cutting, flaw detection and rewinding.

d.Chain drawing machine unit



Here is the Heat Exchanger Tube production process of



Raw material purchase — Inspection — Cleaning — Extrusion —

a. Straight pipe
Precision drawing
b. Coil

Straightening — Flaw detection — Fine cutting — Cleaning — Heat treatment
Heat treatment — Flaw detection — Forming — Inspection — Finished product packaging

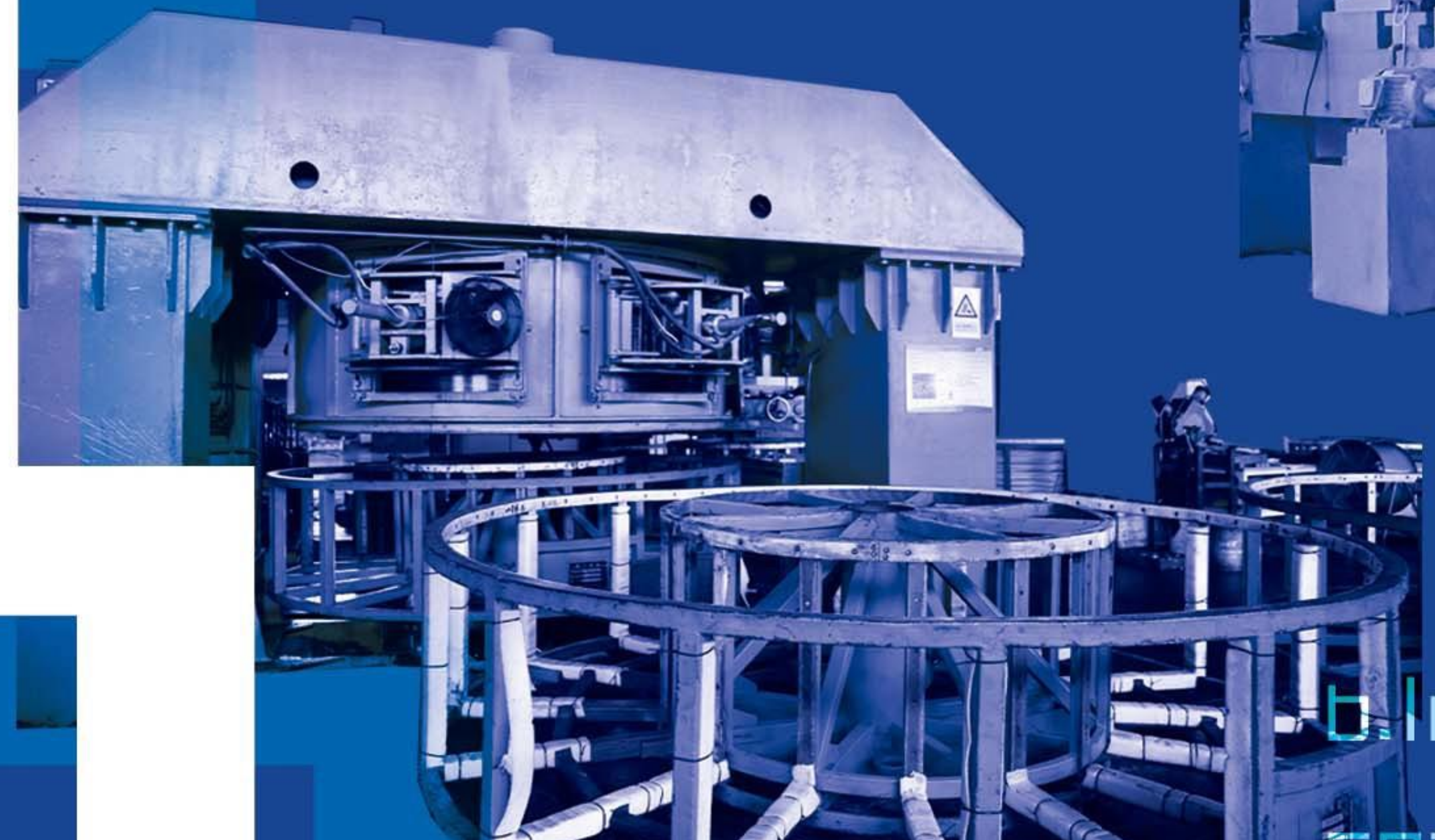
a. Large Extruder



c. Finishing winder



b. Inverted vertical pipe coil drawing machine



On this basis, we collect and analyze customer feedback, adjust and optimize the production process and quality control in time. Optimize the production process and quality control. Emphasis on original customized equipment to achieve effective control of the production line and refuse to waste production capacity.



Customers & partners



大型间接
空冷却
-空冷岛管
Power
Plant
Air
Cooling
Tube

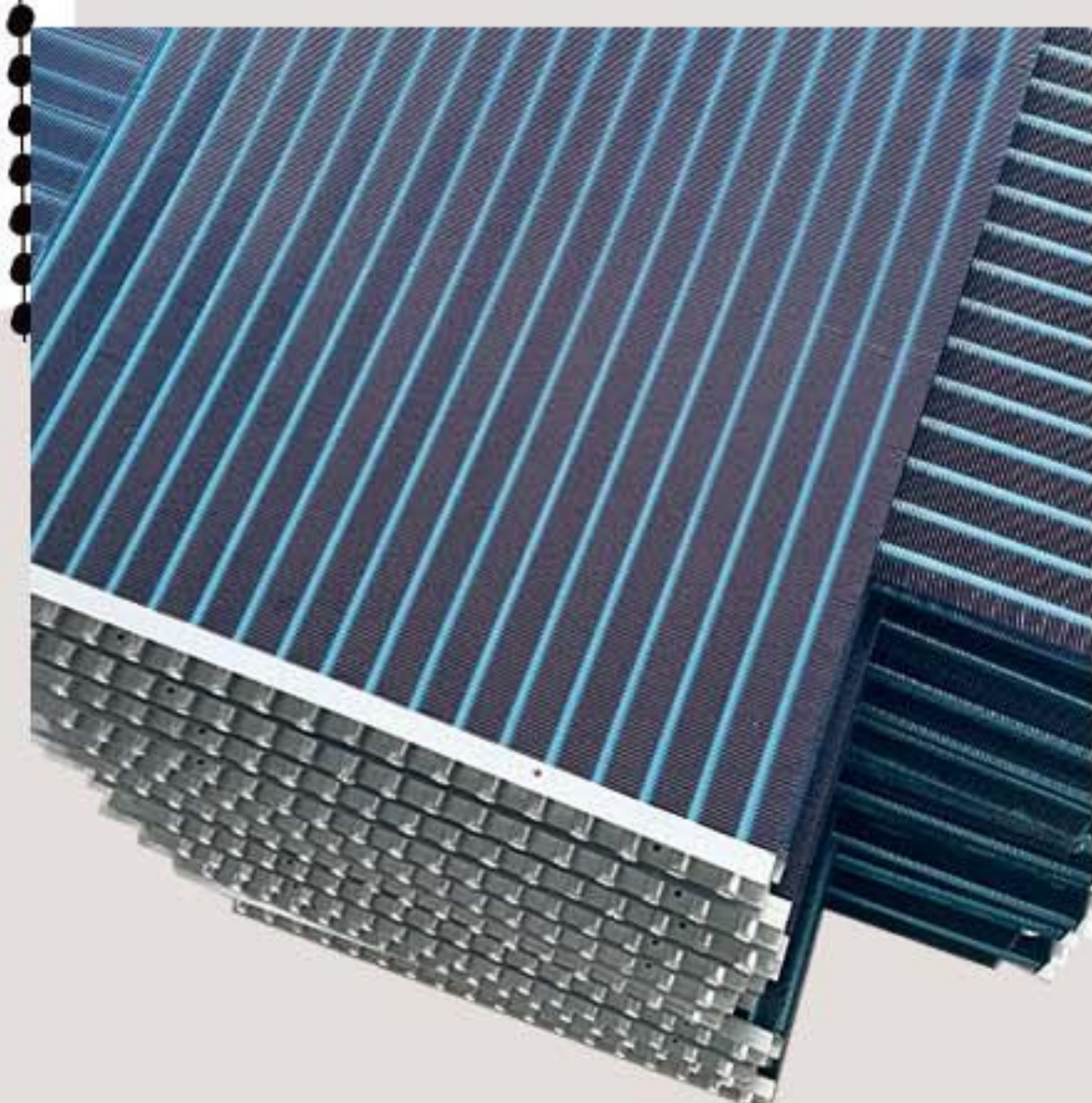


集热器用管
Flat Panel
Solar Energy
Aluminum
Alloy Tube



内螺纹
防腐铝管
Internal
Thread
Aluminum
Tubing

Suitable for
Internal
structure
Compact design
evaporators
and
condensers



High precision,
high density.
Suitable for
condenser
and cooler
of large heat
exchanger
equipment.



内

空

应用场景
Application

A

汽车水箱管
Car Radiator
Aluminum
Alloy Tubing



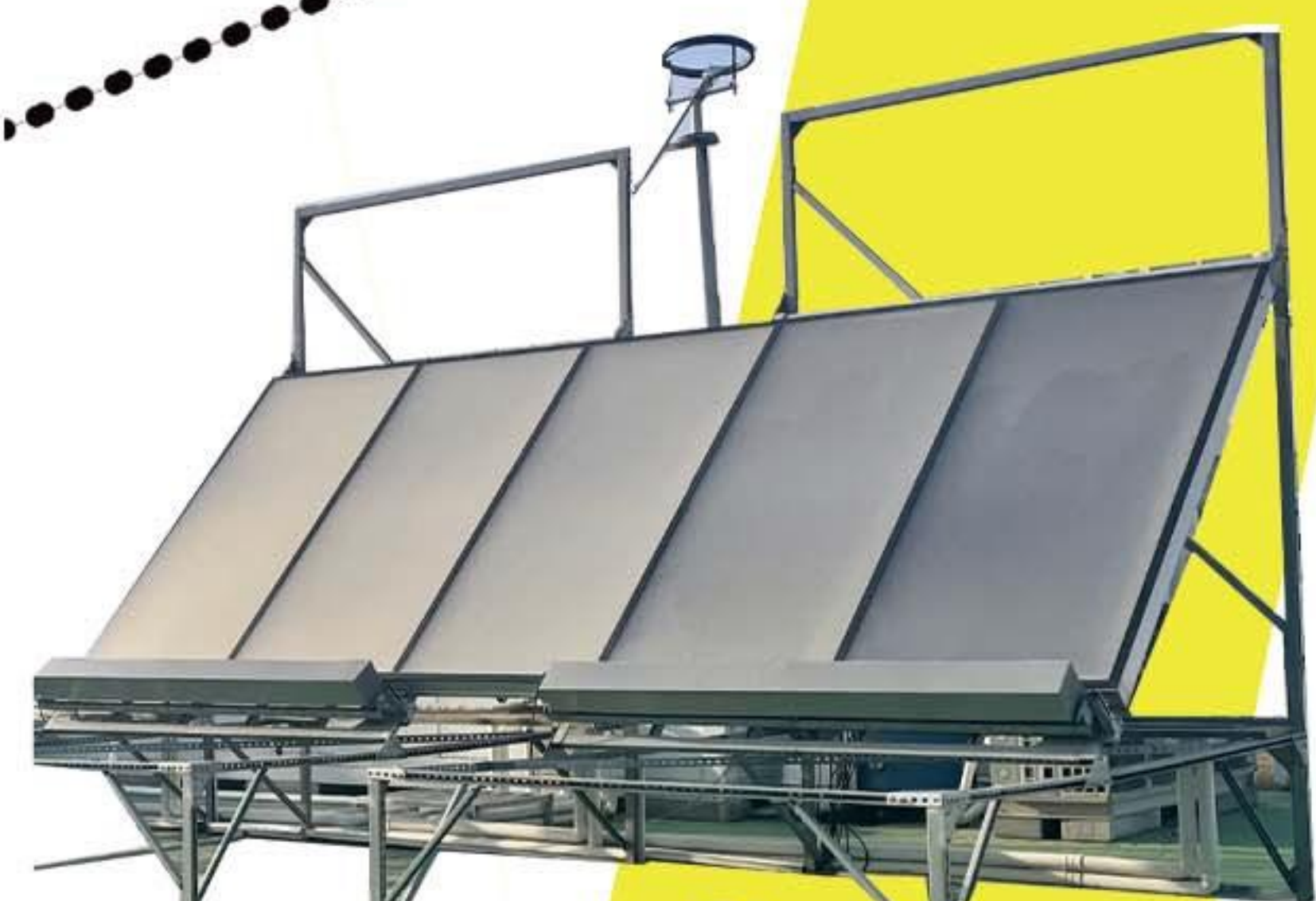
热交换器用管
Heat Exchanger
Aluminum Tube



Active in air
conditioning
lines and heat
exchangers
in automotive
cooling systems.

Wide selection of
models to cope
with highly customized
types of heat
exchanger tubes
and connecting tubes.

Special aluminum alloy
fits all kinds of
solar collectors
and solar tubes.



热交换

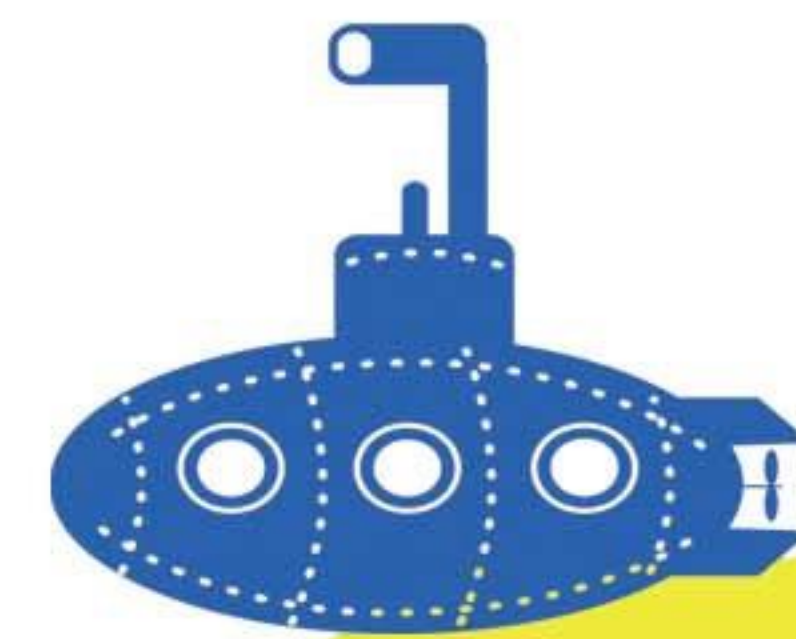
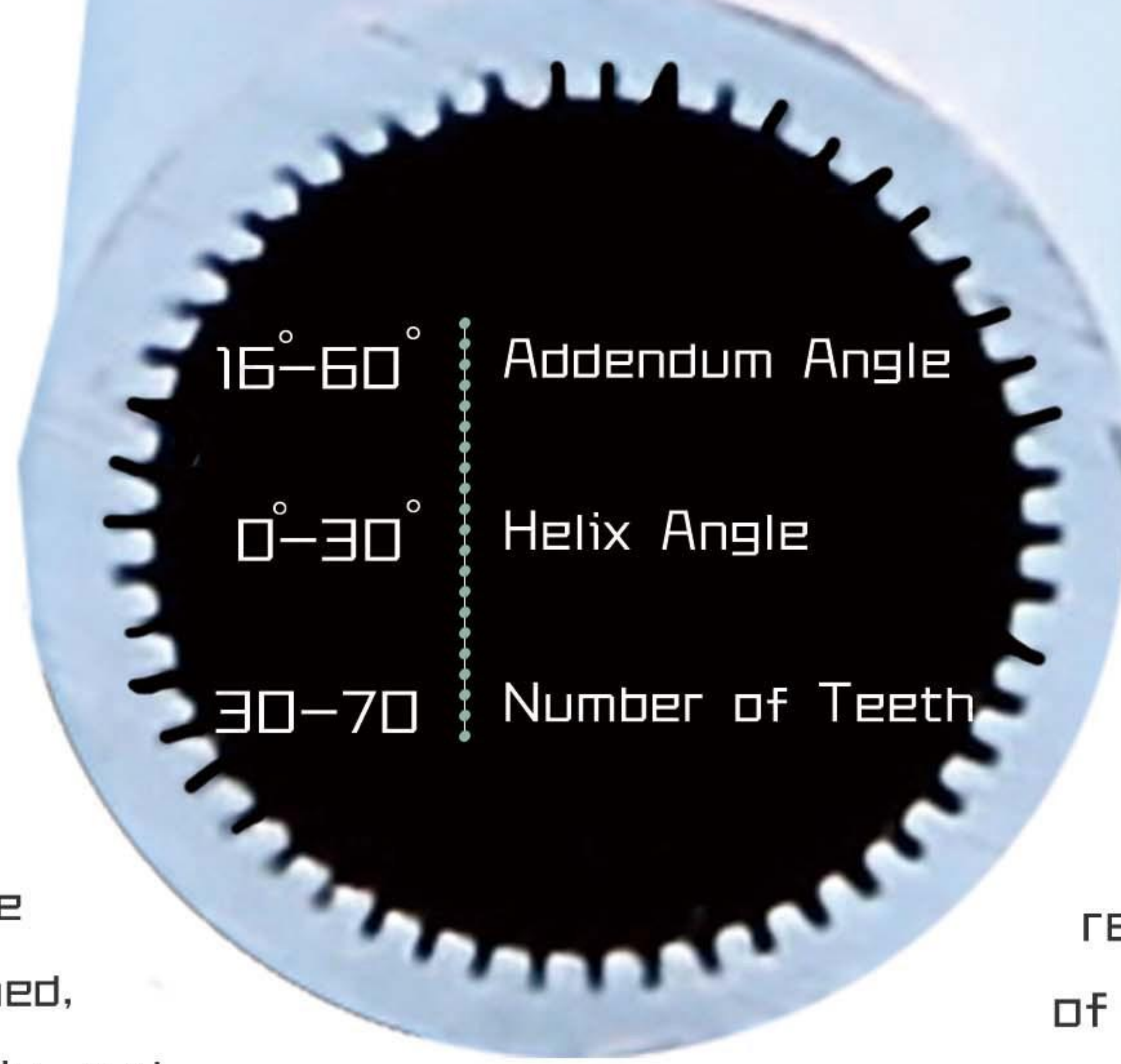


Product Description 产品描述

Internal thread tubing improves the heat transfer properties of a product or solution.

The heat transfer coefficient of the spiral grooves inside the aluminium tubes is twice as high as that of conventional smooth bore tubes, while the efficiency is better than that of straight grooves, and the more compact internal design reduces the refrigerant load. The more compact internal design reduces the refrigerant load, which in turn reduces the overall production cost of the heat exchanger or condenser.

Ultra-fine internal threaded aluminium tubes are currently used by a large number of foreign enterprises, and domestic leading enterprises such as Midea have already started to apply them in large quantities. At present, the main specifications of the tubes mainly focus on $\phi 7$ and $\phi 9$. We can produce thin-walled, high-toothed, low-toothed, fine-toothed, small-toothed top angle, and customised toothed products, and we can customise the toothed shape and tooth height according to the needs of the users.



Application Scenario: Active in all kinds of evaporators and condensers, corrosion resistance and long service life in harsh environments.

5-13

5-13 mm

Outside Diameter

0.3-0.8

0.3-0.8 mm

Wall Thickness

0.05-0.25

0.05-0.25 mm

Tooth Depth

0.35-1.05

0.35-1.05 mm

TWT

SWAAT:>1000 h Tensile Strength:95-130 Mpa

Yield Strength:50-80 Mpa Elongation:>28% Flare:>40%

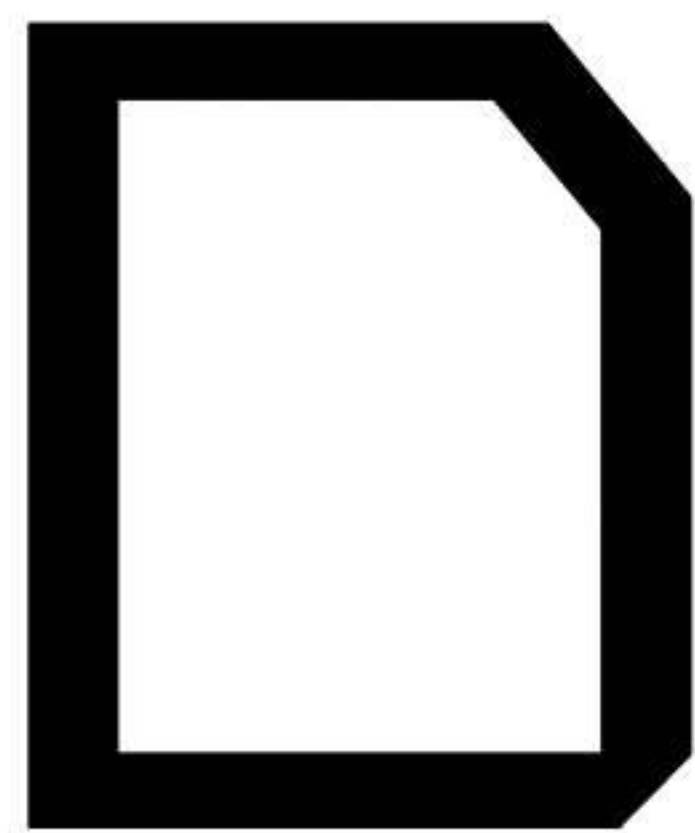
Internal Thread Aluminum Tubing Efficient Corrosion Resistant



Wechat: Triplejoint

Mail: sales_al_tubes@163.com

<http://www.al-tubes.com>



Product Description
产品描述

About Power Plant Air Cooling Tube

We offer aluminum tubes made of 1 series pure aluminum and 3003 anticorrosive aluminum. We can also customize non-standard specifications of aluminum tubes for heat exchanger equipment according to customer requirements.



Power plant air cooler
Surface condenser
Large Heat Exchanger
Customized condenser
Evaporator



Quality control from raw materials, the use of large-tonnage extrusion presses, hot extrusion and cold drawing production method, can produce various properties.

About Heat Exchanger Tube

Air coolers are heat exchangers that utilize air to cool hot fluids. air cooler is a heat exchanger that utilizes air to cool a hot fluid. The heat exchanger tube is the core element of the air cooler.

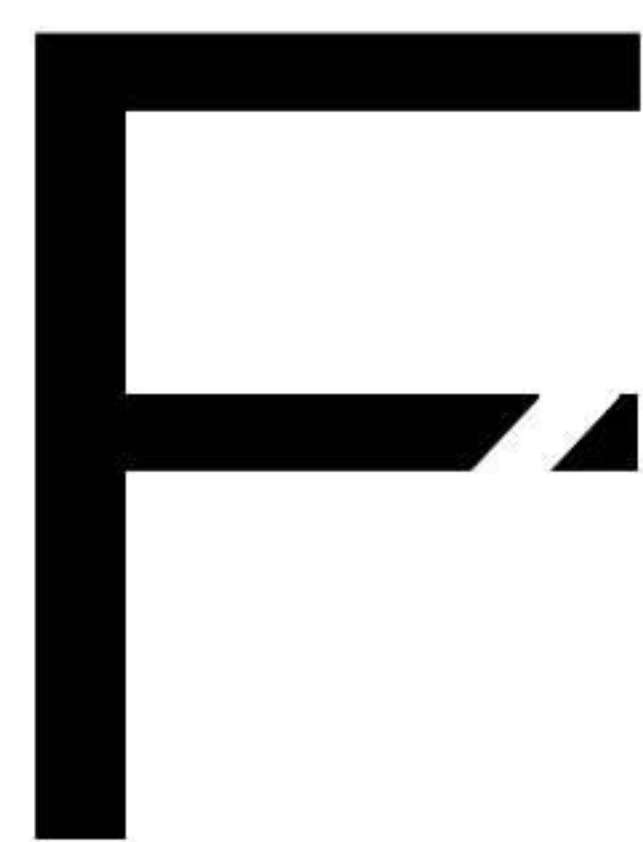
The heat exchanger tube as the core element of the air cooler has a direct influence on the performance of the equipment. The form and material of the heat exchanger tubes directly affect the performance of the equipment.



High degree of customization
Small tolerance range
High heat transfer performance
High corrosion resistance
High product density



Application
应用场景



Product Features
产品特性

(Main Size) Model Number	State	Outside Diameter /mm	Wall Thickness /mm	Length /m	Tensile Strength /MPa	Non-proportional Elongation Strength /MPa	Elongation After Break A50/mm	
								Main Size
Series 1 1050 1060 1070 1050A	0	20-32	0.8-2.0	5-15	< 20.00	60~95	≥70	≥25.00
	H14				< 10.00	100~135	≥70	≥5.00
Series 3 3003 3103 3A21	0	20-32	0.8-2.0	5-15	< 20.00	95~130	≥35	≥25.00
	H12				< 15.00	115~150	≥75	≥12.00
	H14H2				< 10.00	135~165	≥110	≥6.00
	4				< 3.00	≥180	≥145	≥3.00
	H28							

On the basis of solving
the two major difficulties of the
industry, corrosion and welding, aluminium alloy
tubes with guaranteed precision and quality are on a par
with copper tubes in terms of
performance and quality,
and at a lower cost.

Product Description

The tubes for solar flat plate collectors are
made of special alloys, and the production
processes from raw material purchasing,
hot extrusion, cold drawing, heat
treatment, surface treatment,
etc. are all under double-regulation
control to ensure the best product quality.

Development Prospect

Wall-mounted flat plate collector
Flat plate solar collectors
Large solar collectors
Vacuum solar tubes
Heat exchanger

Applications

Better Heat transfer,
corrosion resistance,
cost effectiveness,
heat resistance, service life.

Features

Model Number
Series 3

Flat Panel
Solar Energy
Aluminum Alloy Tube

7-20

mm
Outside Diameter

0.7-2.0

mm
Wall Thickness

H14

H12

0

State

130-165

115-150

95-130

Mpa
Tensile Strength

≥ 110

≥ 75

> 60

Mpa
Yield Strength

≥ 5%

> 12%

≥ 30%

Elongation

Salt Spray Corrosion Test > 1500 h Pressure Resistance > 10 Mpa



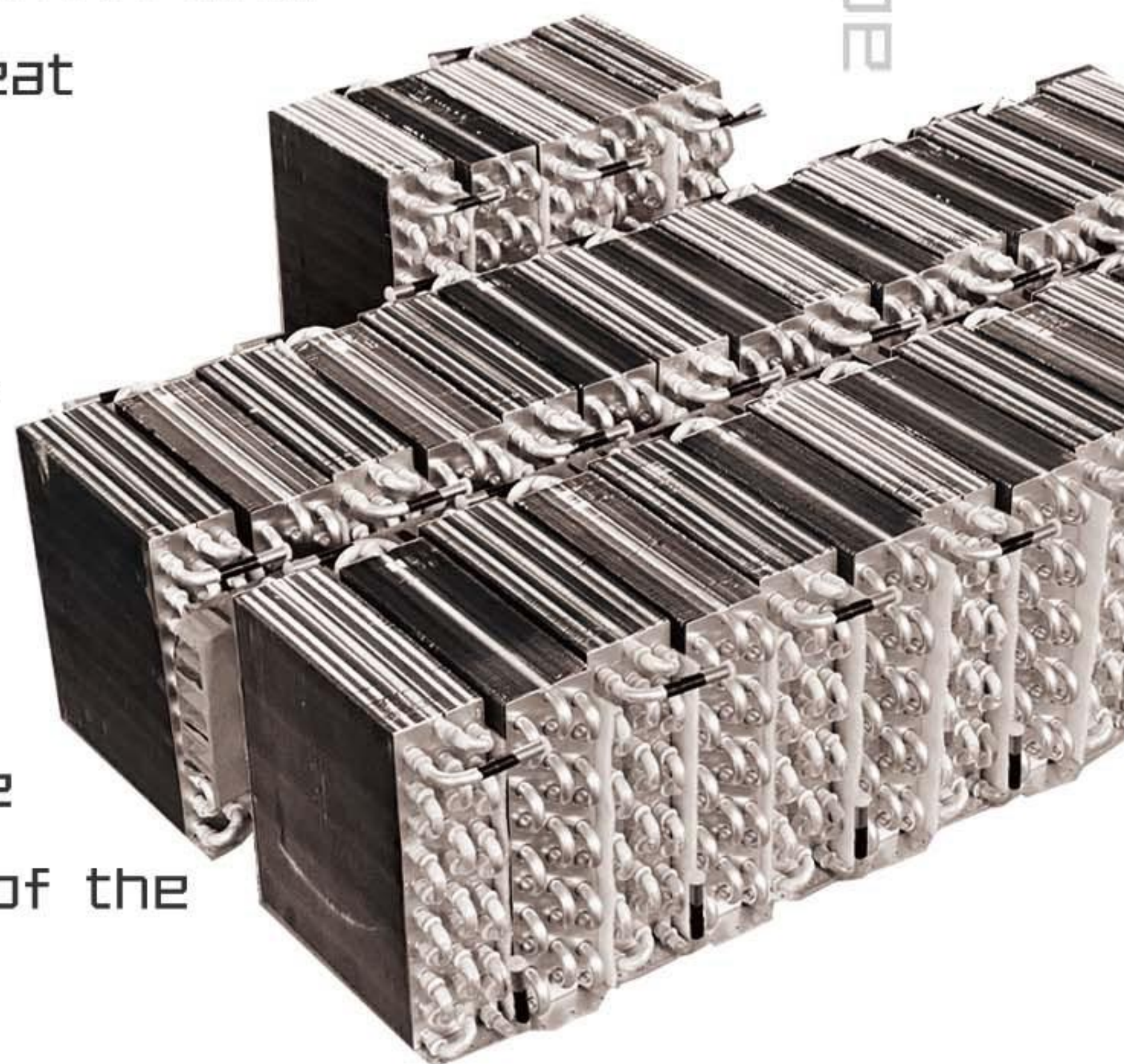
Technical
Parameters
技术参数

sales_al_tubes@163.com
Wechat: Triplejoint
http://www.al-tubes.com



Product Description

Mainly used for exchange tubes of various refrigeration and heat exchange equipment. Widely used in air-conditioning, refrigerator, warm air and other equipment. The product can be supplied with straight and coiled tubes in different states and specifications. Our products are produced by large-scale extruder, with advanced production technology and special heat treatment technology, strict control of multiple processes, high precision, low leakage rate and excellent quality. And the material has high density. It meets the processing requirements of the latter use.



Heat exchanger tube

Features



Lighter weight

Lightweight and with good thermal conductivity, aluminium is a good choice for applications where light weight is required.

High corrosion resistance

Special anti-corrosion technology is adopted to cope with some corrosive media and high temperature environment in actual use. The subsequent development of surface zinc spraying, passivation and other ways to adapt to more harsh and complex applications.

Easy to clean

Condenser tubes need to reduce fouling in order to overcome the inefficiency of heat transfer caused by impurities and dirt accumulation. Aluminium heat exchanger tubes have smooth inner walls that are less prone to fouling and are easier to clean, which helps to maintain high heat transfer efficiency.

Applications

Condensers Evaporators

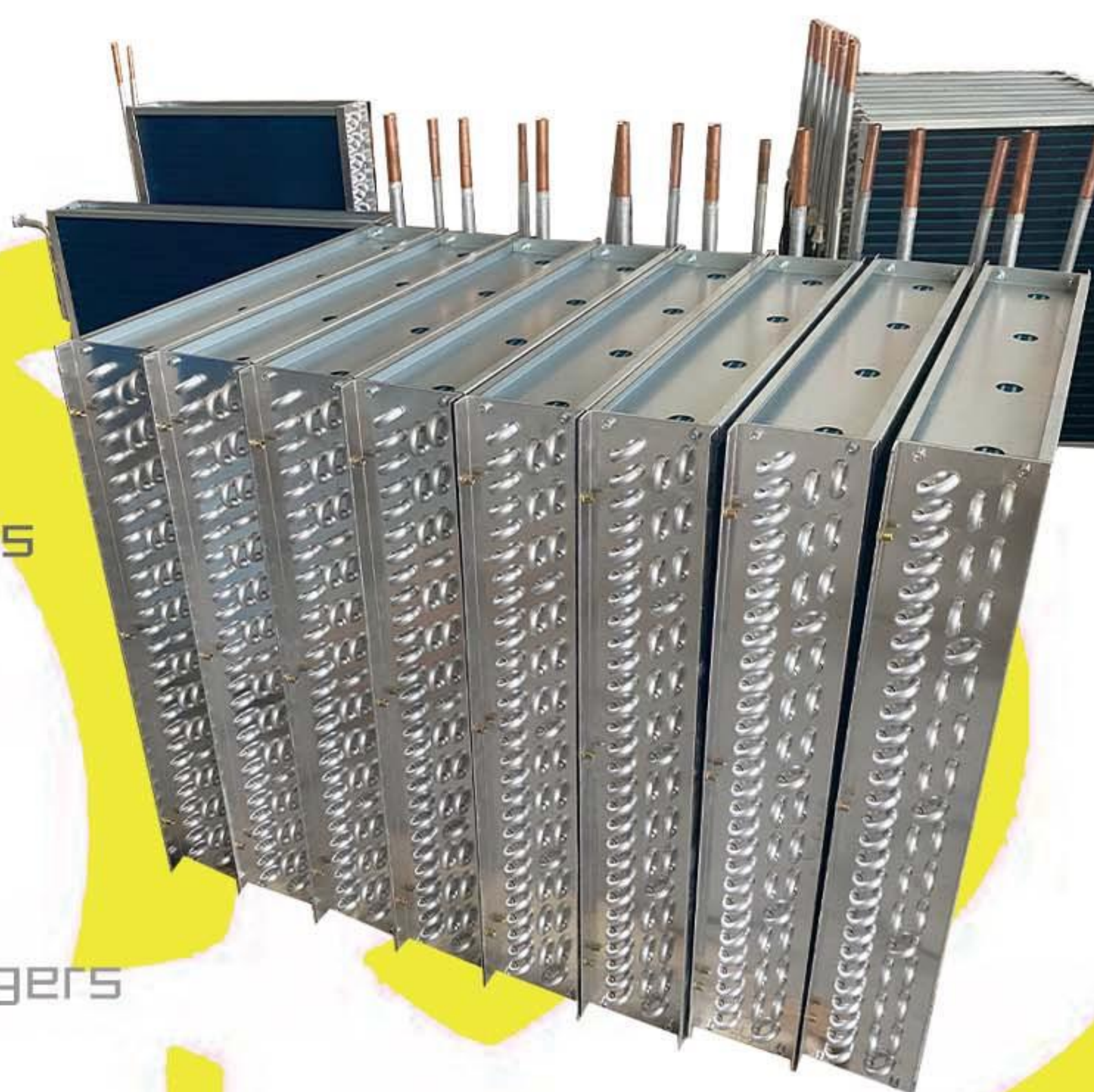
Domestic freezers

Industrial freezers

Small warm air conditioners

Connecting tubes for AC

Connecting tubes for microchannel heat exchangers



Model Number	State	Wall Thickness /mm	Tensile Strength /MPa	Non-proportional Elongation Strength /MPa	Elongation After Break A50mm
1050 1060	O	≤20.00	60~95	≥70	≥25.00
1070 1050A	H14	≤10.00	100~135	≥70	≥5.00
3003	O	≤20.00	95~130	≥35	≥25.00
3103 3A21	H12	≤15.00	115~150	≥75	≥12.00
	H14、H24	≤10.00	135~165	≥110	≥6.00
	H28	≤3.00	≥180	≥145	≥3.00

Radiator Aluminum Alloy Tubing

The automobile water tank, also known as the radiator, functions to absorb the heat from the cylinder, and the heated parts will absorb heat in a timely manner to prevent the engine from overheating.

Can produce Thin wall automobile water tank tube, Round tube, Figure 0 flat tube, Figure Eight flat tube, Double-head annealed tube, etc.

The raw material is made of high quality remelted aluminum bar 3003, 3103 anticorrosive aluminum automobile water tank tubes. Through the large tonnage extruder large extrusion ratio extrusion, hot extrusion fine drawing finishing and other production processes.

Large Extruder



Product Description

Figure 0 Flat Tube



Round Tube



Figure 8 Flat Tube



Features

Radiator Flat Tube Application



Good corrosion resistance, weldability, thermal conductivity, lightweight. Non-destructive testing, zero wound point, multi-layer packaging, safe length for transportation, layers of packaging, transportation safety length customizable, efficient protection against oxidization.

Applications

Radiator Round Tube Application



Condenser
Evaporator
Cold Cabinets
Small Heat Exchangers
Small coolers
Cold dryers
Heater
Chiller
Humidifiers
Refrigerators

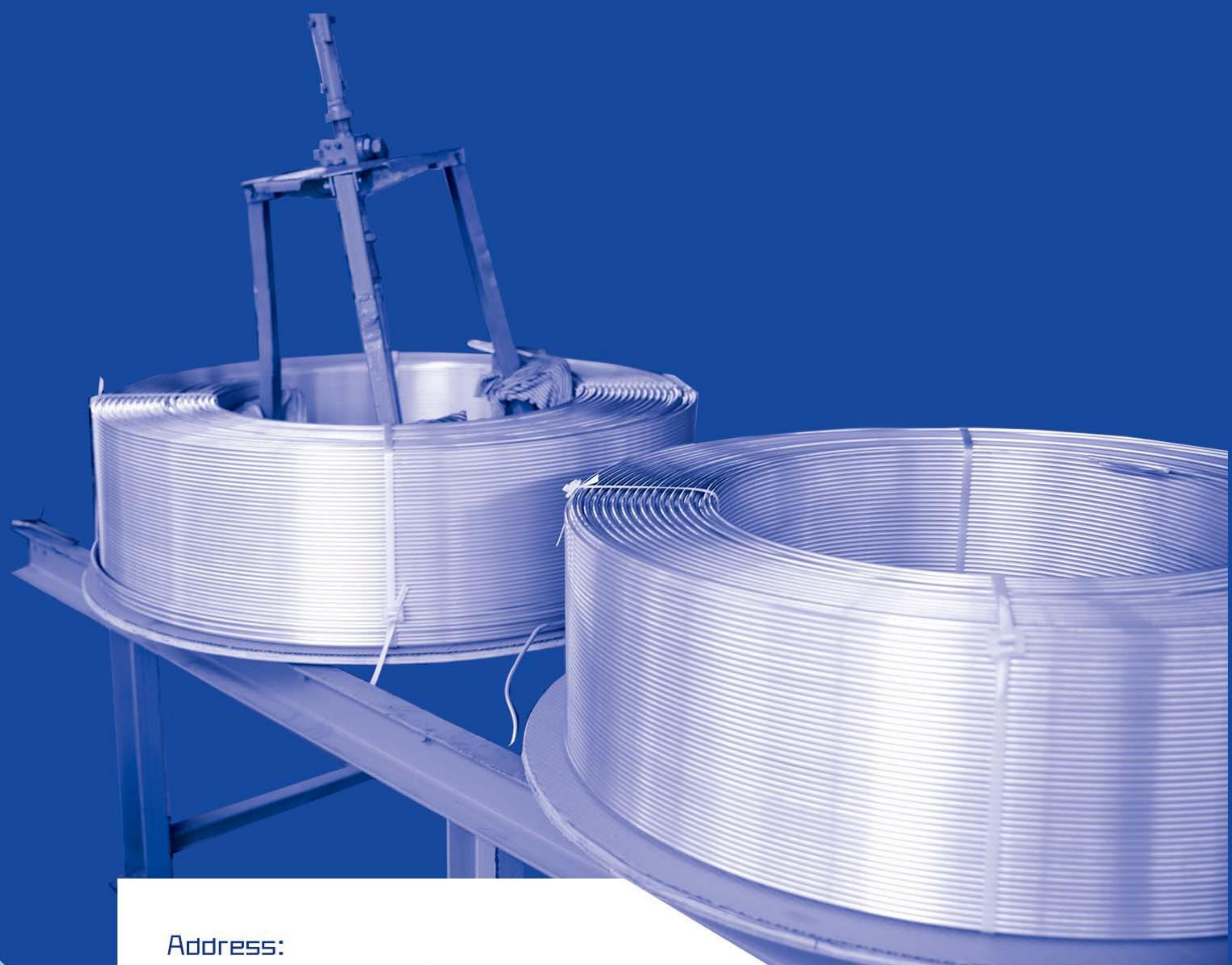
Technical Parameters

Our company specializes in the production of a variety of fixed-size aluminum straight tubes, can provide a variety of specifications MY2M aluminum Tube state, to meet the back of the flaring and expansion of the tube production requirements

Product Name	State	Car Radiator Flat Tube			Length and number of tubes are according to customer's requirements.
		Outside Diameter /mm	Wall Thickness/mm	Height/m	
3003, 3103	M(0)	12	0.32	3.2	customizable
		12	0.32	3.2	
	H12 H14 etc.	9.6	0.24	1.5	
		9.6	0.24	1.5	

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YUNNENG
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