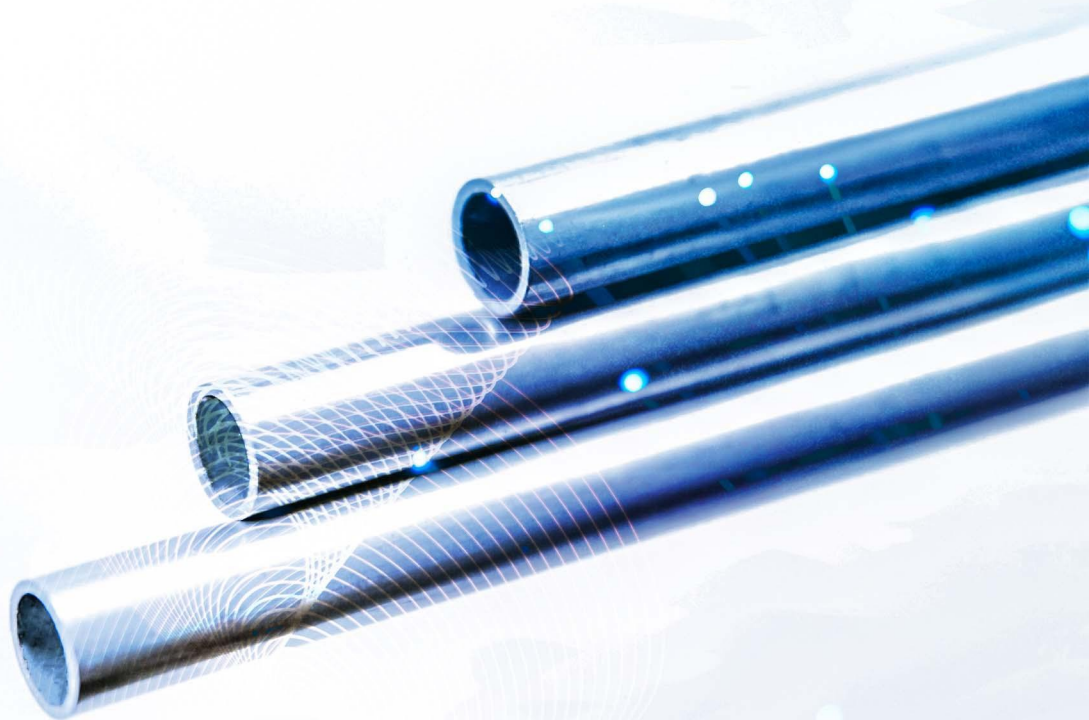




YUNNENG

Jiangsu Yunneng New Material Technology Ltd.

High-performance and reliable professional
heat exchanger aluminum tube manufacturer



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

About Us



Jiangsu Yuneng New Material Technology Co., Ltd. is a high-tech enterprise specializing in the research and development, production and sales of high-quality precision aluminum tube materials with a complete industrial chain.



The company is committed to providing high-precision, high-corrosion-resistant aluminum-based new materials and components for the global refrigeration, thermal engineering and new energy fields. The company has always insisted on scientific and technological innovation, plowing into the industry's cutting-edge technology, and strive to continue to empower customers and partners in the industry, and work together for a win-win situation.

Research Team

The company has strong technical force, the core team has leading technology research and development capabilities and many years of industrialization experience, and Xi'an Jiaotong University, Nankai University, Changzhou University and other colleges and research institutes to build a joint R & D laboratories of industry, academia and research.

Accreditation

We are the first manufacturer of corrosion-resistant high-toothed aluminum tubes in China, and have passed ISO9001, ISO14001, ISO45001 and 16949 quality management system certifications, as well as ROHS and REACH tests, and we own a number of invention and technology patents.



Product Line

The company has advanced automatic production equipment, with domestic leading composite molding process production line and complete production equipment of hot extrusion, composite molding, coil drawing, joint drawing, heat treatment, straightening and cutting, flaw detection and rewinding, and advanced testing equipment. It has the production capacity to produce more than 10,000 tons of high-performance and reliable heat exchange aluminum tubes of various specifications per year.



b. Inverted Coil Drawing Machine



c. Combined Drawing Machine



d. Finishing And Flaw Detection Machine (L)
Internal Thread Forming Machine (R)

Internal Thread Aluminum Tube

Customized anti-corrosion alloy aluminum can be used, with better performance and corrosion prevention effect 10 times higher than 3003 aluminum.

Market Share

Ultra-fine internal threaded aluminum tubes are currently used by a large number of foreign enterprises, and domestic leading enterprises such as Midea have begun to apply them in large quantities. At present, the main tube specifications are mainly concentrated in $\phi 7$ and $\phi 9$.

Advantages

Better performance, less refrigerant, larger heat transfer area, better tooth shape, better helix angle, higher heat transfer capacity, lower cost. We can produce thin-walled, high-tooth, low-tooth, fine-diameter, small-tooth top angle, and customized tooth shapes.

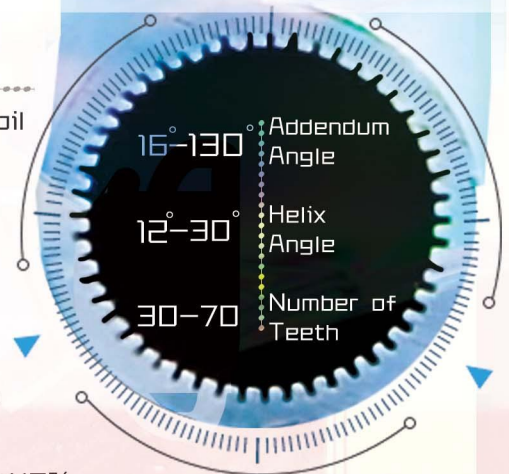
More reliable and efficient heat transfer element. Suitable for evaporators and condensers in refrigeration heat transfer equipment.

Evaporators — Enhanced heat transfer —

Increase the heat transfer area, increase the number of vaporized cores, induce a premature change from undulating to semi-annular and annular flow patterns, and increase the turbulence of the liquid film.

Condenser — Enhanced heat transfer —

Increases the heat transfer area in the tube, which causes the condensate to leave the heat transfer surface and drain away due to surface tension. Reduces the thickness of the refrigerant liquid film between the top of the teeth and the channel agent. Increased liquid refrigerant turbulence and gas-liquid phase mixing.



Model Number 3003 State □ Shipping Methods Coil

Outside Diameter 5-13 mm Wall Thickness 0.3-0.8 mm

Tooth Depth 0.05-0.25 mm TWT 0.35-1.05 mm

SWAAT >1000h Tensile Strength 95-130 Mpa

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



Flat Panel Solar Energy Aluminum Alloy Tube

Advantages.....●

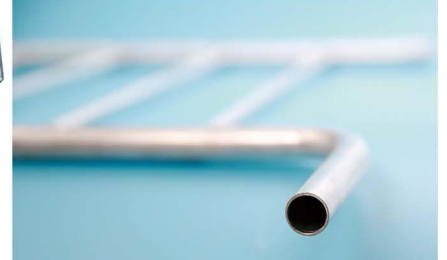
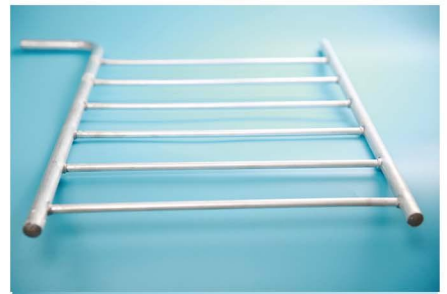
Better heat transfer, better corrosion resistance, better costperformance, better heat resistance, better service life.

Product Description....●

They are made of special alloys, and the production process from raw material procurement, hot extrusion, cold drawing, heat treatment, surface treatment, etc. are all controlled by double regulations to ensure the best product quality. It can withstand 1500 hours SWAAT corrosion test.

We can provide heat exchanger tube whole assembly products, can support welding technology or provide technical exchanges.

We can meet the performance requirements of customers in the back-end production process, such as flaring, hole drawing, bending, welding and other requirements.



State
Anti-corrosion aluminum alloy

7-30

7-30 mm
Outside Diameter

0.7-2.0

0.7-2.0 mm
Wall Thickness

H14 H12 O

State

130-165

115-150

95-130

Mpa
Tensile Strength

≥ 110

≥ 75

> 60

Mpa
Yield Strength

≥ 5%

> 12%

≥ 30%

Elongation

SWAAT >1500 h Pressure Resistance >15 Mpa

Power Plant Air Cooling Tube

Main Specifications

Model Number	Outside Diameter/mm	Wall Thickness /mm	Length /mm
1xxx, 3xxx	20-32	0.8-2.0	5-15

It can meet the processing needs of customers such as backstage pipe threading, flaring, tube rising, passivation, water inspection and so on.



Finished Large Diameter Thin Wall Aluminum Light Tube



The tube bundle is the core component of the space cooler. The tube bundle mainly consists of aluminum tubes, fins, tube box and frame.



Surface Condenser

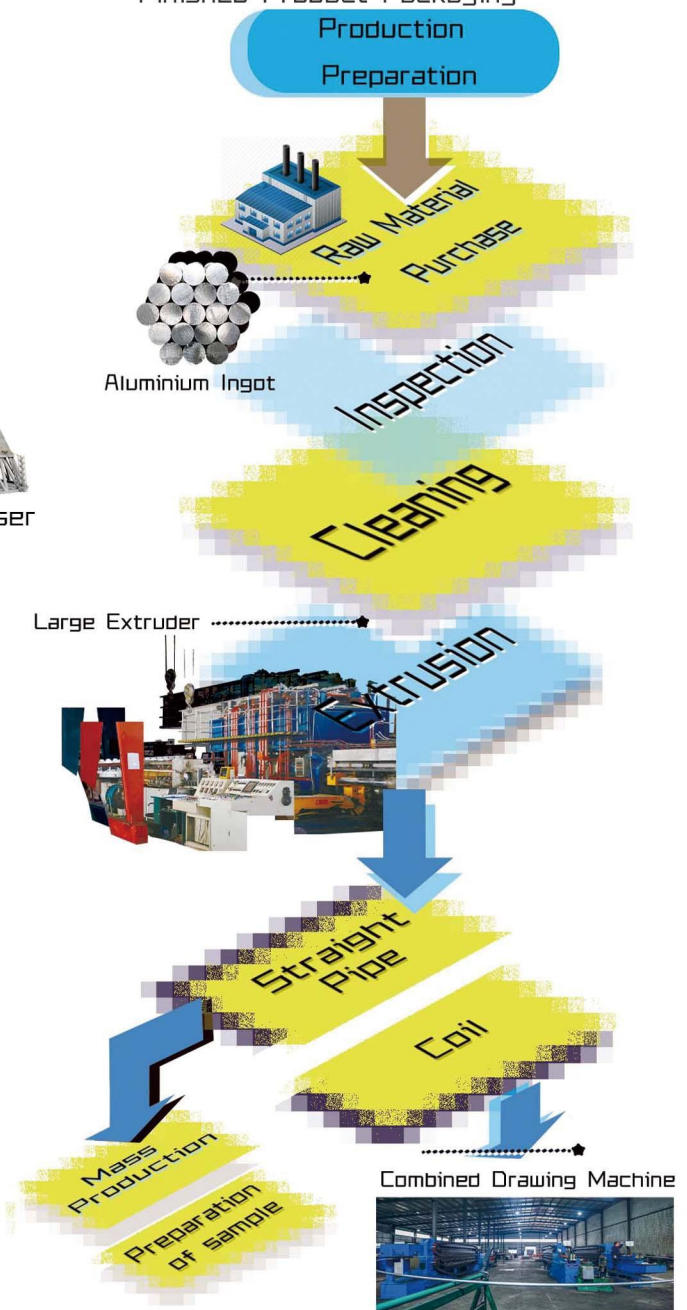


Detail

Can mass produce high precision, high strength, good plasticity, large diameter, thin-walled high-end aluminum alloy tubes, using large tonnage extruder extrusion, higher product density, cold drawing process, better control of product precision. Monthly output is 300 tons.

Power Plant Air Cooling Tube Production Process Route

Raw Material Purchase - Inspection - Cleaning - Extrusion - Joint Drawing - Straightening by Flaw Detection - Precision Cutting - Inspection - Finished Product Packaging



Heat Exchangers Tubes

Specializing in the production of various specifications of aluminum coils and aluminum straight tube, suitable for a variety of refrigeration heat transfer equipment.

Mainly involved in the aluminum brand for the 1 series, 3 series, 6 series, and self-developed special anti-corrosion aluminum alloy. All the raw materials are made of high quality remelted rods of famous brands to control the quality from the source.

Production process

Coil Production Process

Raw Material Purchase-Inspection-Cleaning-Extrusion-Drawing-Heat Treatment-Flaw Detection-Forming-Inspection-Finished Product Packaging

Straight Tube Production Process

Raw material purchase - Inspection - Cleaning - Extrusion - Joint drawing - Coil drawing - Straightening - Flaw testing - Fine cutting - Cleaning - Heat treatment - Inspection - Packing of finished products

Main Production Specifications

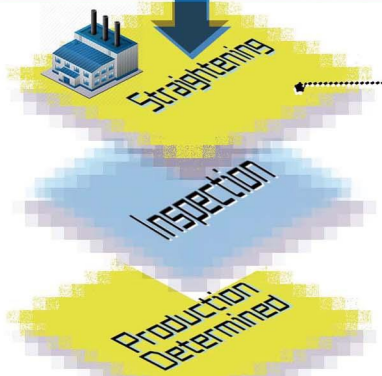
	State	Model Number	Outside Diameter/mm
Main Product	H14,H12,O,H11 2	1xxx 3xxx, special anti-corrosion aluminum	5-35
Wall Thickness/mm	Length/mm	Number of Tubes	Shipping Methods
0.24-3.0	150-15000	Customizable	Coil or Straight

We strictly control the quality during the production process and adopt advanced production technology and special heat treatment technology. To provide customers with the most stable and high quality products.

Preparation of sample: Straight pipe



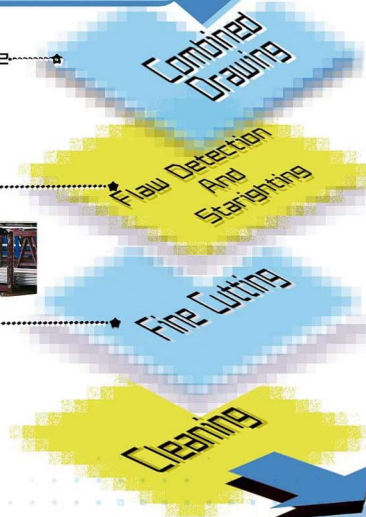
Drawing, straightening, cutting and polishing together to form a machine column, can greatly improve the quality of products and production efficiency.



Mass Production



Combined Drawing Machine

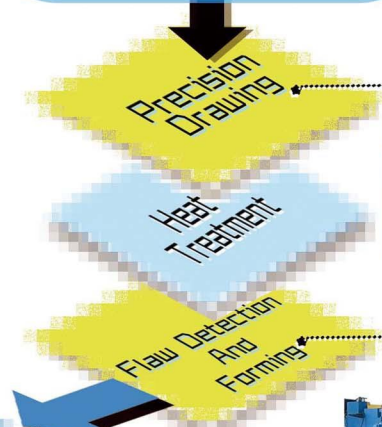


Flaw Detection, Straightening And Cut-to-length Machine



Finished Straight Pipe

Production process: Coil



Inverted Coil Drawing Machine



Finishing And Flaw Detection Machine

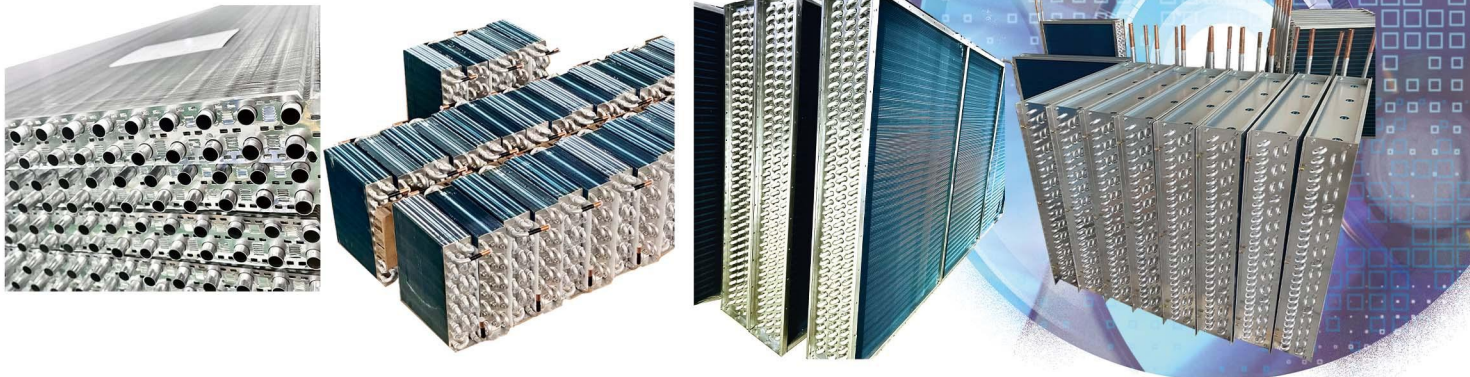


Finished Coil



Finishing

Applications ●



New Energy Vehicle Water Tank Tube & Double Annealed Pipe

Product Description ● Round Tube ■

We can produce thin-walled automobile water tank pipes, round pipes, double-ended annealed pipes and so on.



Advantages

Good product performance, high precision, low leakage rate. Fast heat dissipation, lightweight products, corrosion-resistant applicable to aluminum-plastic water tanks, aluminum water tanks, and so on.

Custom Specifications

Specializing in the production of a variety of fixed-size aluminum straight tubes, can provide a variety of specifications of MY2M aluminum tube state, to meet the needs of the back channel flaring, rising tube, bending, water inspection and so on.

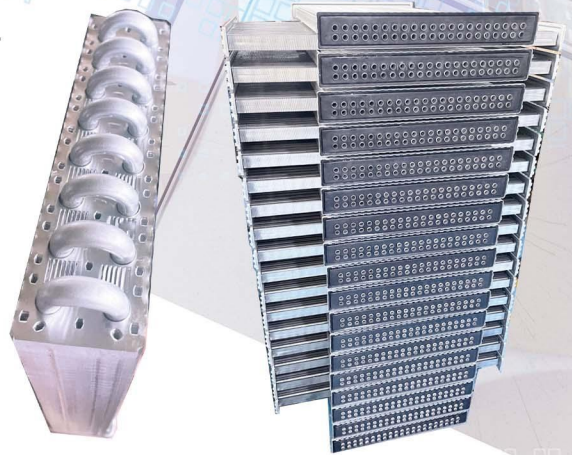
Model Number	Outside Diameter/mm	Wall Thickness /mm	Length /mm
3003, 3103	5-9	0.32-0.38	200-1000

Can be customized according to customer's needs.

Application ●

The products are suitable for all kinds of evaporators, condensers dehumidifiers, cold dryers, heaters and other refrigeration and heat exchange equipment.

Double Annealed Pipe Applications





SAMSUNG

LG 생활건강

Hisense
海信空调

Cooperative Partner

Midea

FUJITSU

FULLLINK

GDS 万国数据

C&C
Clean&Cool Seiko



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