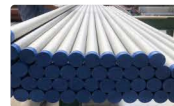
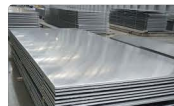


NICKEL ALLOY



 安聯鋼鐵集團
ALLIANZ STEEL GROUP





COMPANY CATALOGUE

企业目录

- P1-2 公司介绍 Company Introduction
- P3 组织结构 Organization Structure
- P4 社会责任 Social Responsibility
- P5-6 生产过程 Production Process
- P7-11 生产设施 Production Facilities
- P12 生产大纲 Production Range
- P12 主要产品 Major Products
- P13 材料清单 Material List
- P14-15 质量检验 Quality Inspection
- P16-17 售后服务 After-Sale Service
- P18 出口国家 Global Clients
- P18 联系我们 Contact Us



企业文化 Enterprise Culture

愿景: Vision:

安精神之本, 联财富之源

Keep the peace of mental, Link the source of wealth.

使命: Mission:

与世界共享中国造, 为客户利益而努力创新

Share made in China with the world and strive to innovate for customers' benefit.

价值观: Values:

激情、敬业、创新、进取、诚信、求实、利他、共赢

Passionate, Dedicated, Innovative, Enterprising, Altruistic, Win-win, Honest, Truth-seeking.

宗旨: Aim:

为客户提供独特价值

Provide unique value for customers.





安聯鋼鐵集團

安聯鋼鐵集團以“与世界共享中国造,为客户利益而努力创新”为使命,通过不断创新业务模式,打造产品品牌,有效地促进了产业发展,深耕钢铁产业、先进材料、先进智造、国际货运、矿业、文化传媒等六大业务板块,是中国知名的综合性钢铁产业集团、世界领先的新材料,开发商和钢材采购综合服务商。截至2020年底,集团资产总额80多亿元,年营业收入40多亿元,员工总数3800余人。

下设十个子公司及海外代表处、五个生产基地、三个研究院,是中国民营企业工业100强、国家技术创新型企业、国家重点高新技术企业、国家绿色示范工厂、全国AAA级质量信用企业、最佳雇主100强企业。

ALLIANZ STEEL GROUP

With the mission of "share made in China with the world and strive to innovate for customers' benefit". Allianz Steel Group has effectively promoted the development of the industry by continuously innovating business models and building product brands. It is a well-known comprehensive steel industry group in China, a world-leading developer of new materials and a comprehensive service provider of steel procurement. Group has cultivated six business sectors, including steel industry, advanced materials, advanced manufacturing, international freight, mining and cultural media. By the end of 2020, the Group had total assets of over CNY 8 billion, annual income over CNY 4 billion and over 3,800 employees.

Allianz Steel Group has ten subsidiaries and overseas representative offices, five production bases and three research institutes, and it is one of the top 100 private enterprises in China, a national technical innovation enterprise, a national key high-tech enterprise, a national green demonstration manufacturer, a national AAA-grade quality credit enterprise and a top 100 best employer.

组织结构 Organizational Structure



安聯鋼鐵集團 Allianz Steel Group

战略发展部 Strategic Development Department
人力资源部 Human Resource Department
财务部 Financial Department
审计部 Audit Department
行政部 Administration Department
风险管控委员会 Risk Management And Control Committee
安聯鋼鐵集團钢铁研究院 Allianz Steel Group Iron and Steel Research Institute
安聯鋼鐵集團智能设备研究院 Allianz Steel Group Intelligent Equipment Institute
安聯鋼鐵集團新材料研究院 Allianz Steel Group New Materials Research Institute
工会 Labour Union

海南青拓科技有限公司 Hainan Qingtuo Technology Co., Ltd.
安钢集团有限公司 (香港安联) Allianz Metal Group Co., limited
湖南安联金属制品有限公司 Hunan Allianz Metal Products Co., Ltd.
湖南森特威钢铁有限公司 Centerway Steel Co., Ltd
长沙宁优科技有限公司 Changsha Niyou Technology Co., Ltd.
怀化九源特种锰业有限公司 Huaihua Jiuyuan Special Manganese Industry Co., Ltd.
兴化元焱文化传播有限公司 Xinghua Yuanyan Culture Communication Co., Ltd.

- 战略业务单元
Strategic Business Unit
- 生产基地
Production Base
- 集团部室
Group Subsidiary

社会责任 Social Responsibility

1 对客户的质量, 诚信铸就品牌 Responsible for customers and credit building up brand

安聯鋼鐵集团始终把为客户提供最好的产品、最优的服务、全方位满足不同客户的需求视为企业的第一要务, 树立了企业的诚信品牌。

Allianz Steel Group always takes it as the first importance to supply good products and service for customers to meet varied demands of different customers, which helps building up credit and brand of the group.

2 对员工的责任, 用诚信增强凝聚力 Responsible for staff and workers and to consolidate cohesive force

安聯鋼鐵集团始终坚持“以人为本, 立人立企”人才观念, 大力营造了企业政通人和、劳动关系和谐、职工安居乐业、忠诚企业、爱岗敬业的良好氛围, 保持了企业旺盛的生机和活力, 增强了企业的向心力和凝聚力。

Following concept of its “people centered and enterprise development by talents”, Allianz Steel Group is striving to generate a good atmosphere for workers to establish a harmonious work relation, where workers can enjoy working and life and loyal to the enterprise. Those measures maintains vigorous life and vitality of the enterprise and consolidates centripetal force and cohesive force of the enterprise.

3 对合作伙伴的责任, 诚信推动合作共赢 Responsible for cooperative partners and credit, promoting mutual benefit of cooperation

公司高举“合作、共赢”的旗帜, 树立“诚信为本、成就客户”的经营理念, 以诚信联盟, 步入了快速发展的轨道。

Highly holding banner of cooperation and mutual benefit, with concept of “honesty for the achievement of customers”, Allianz Steel Group is moving into track for fast development working together with its partners.

4 对环境的责任, 全力创建环境友好型企业 Responsible for environment and becoming an environmental- friendly enterprise

绿色、低碳、环保新常态下企业实现健康持续发展的主题, 公司始终坚持经济发展与环境保护并重, 紧紧围绕“绿色安钢”环保目标, 全力推进资源节约型和环境友好型企业建设, 实现环境保护和经济建设的协调发展。

Green, low carbon and environmental protection under the new norm is the theme of the enterprise's healthy development. Allianz Steel Group pays more attention to economic development and environmental protection. The group is pushing forward to build into resources conserving and environmental-friendly enterprise to realize harmonious development in environmental protection and economical construction.

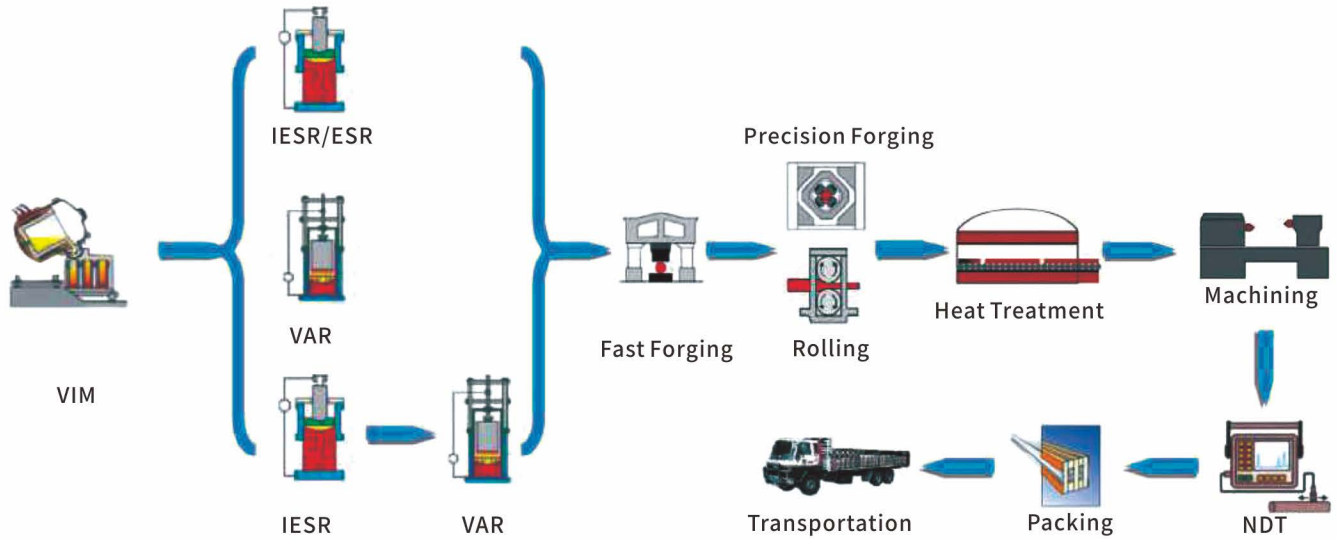
5 对社会的责任, 感恩回馈社会, 勇担社会责任 Responsible for society, bearing more social responsibility, pay back to the society

致富思源, 富而思进, 安聯鋼鐵集团在超过26年的创新发展中, 始终遵循并积极践行“产业报国、奉献社会”的公司精神, 树立起了有责任、敢担当、讲奉献的良好企业形象。

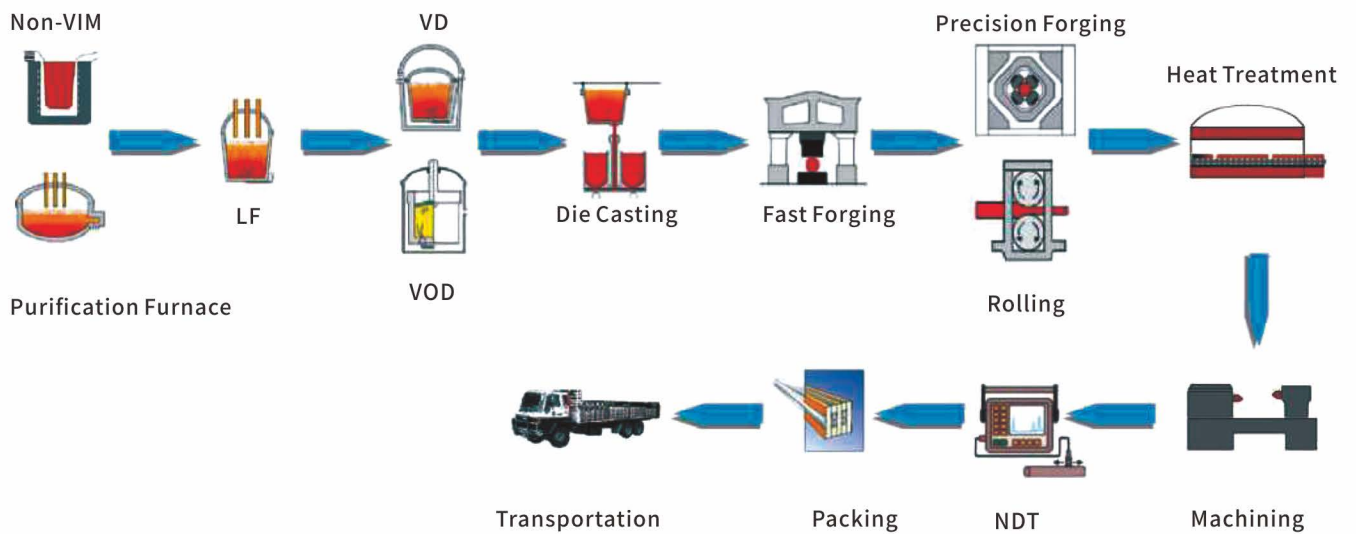
During its more than 26 years development, Allianz Steel Group has built up a good reputation in public in term of social responsibility and contribution with mind of “contributing to the country by developing industry”.

生产过程 Production Process

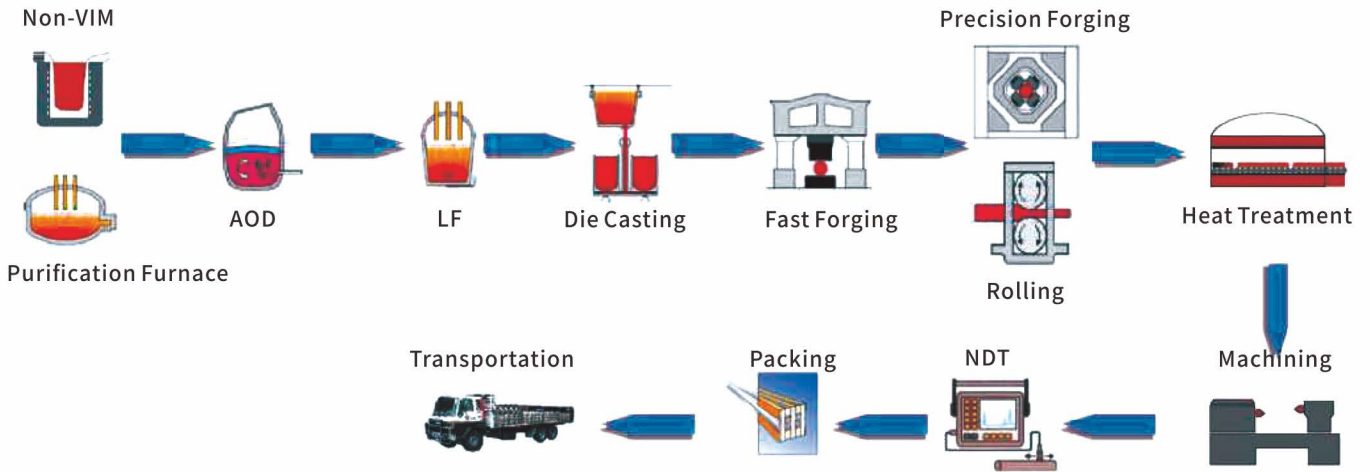
Vacuum Smelting Process



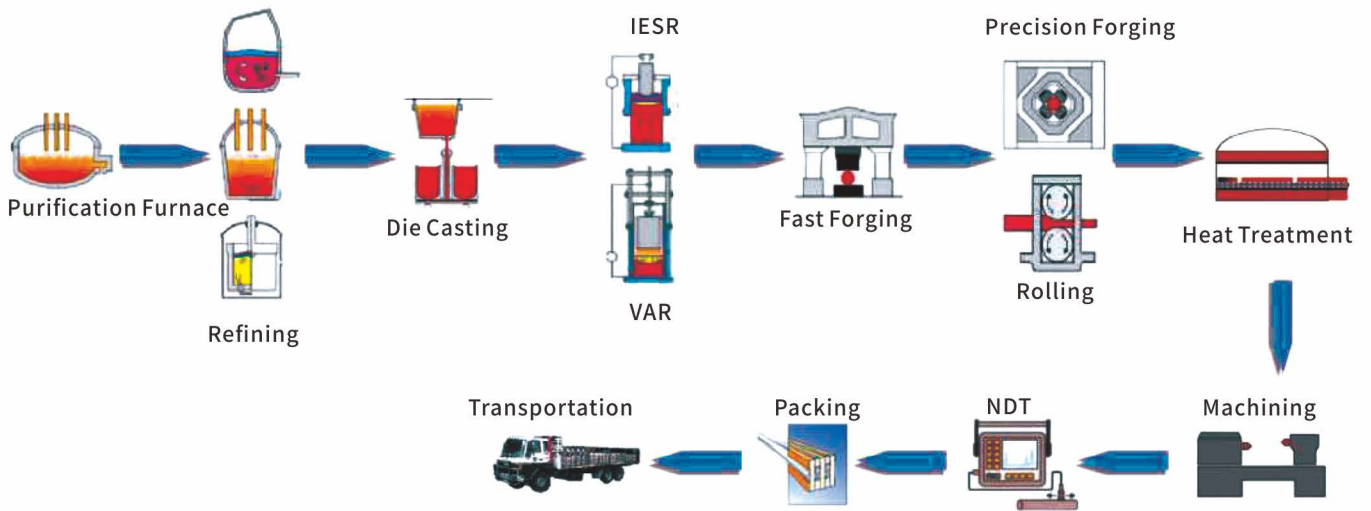
VD/VOD Refining Process



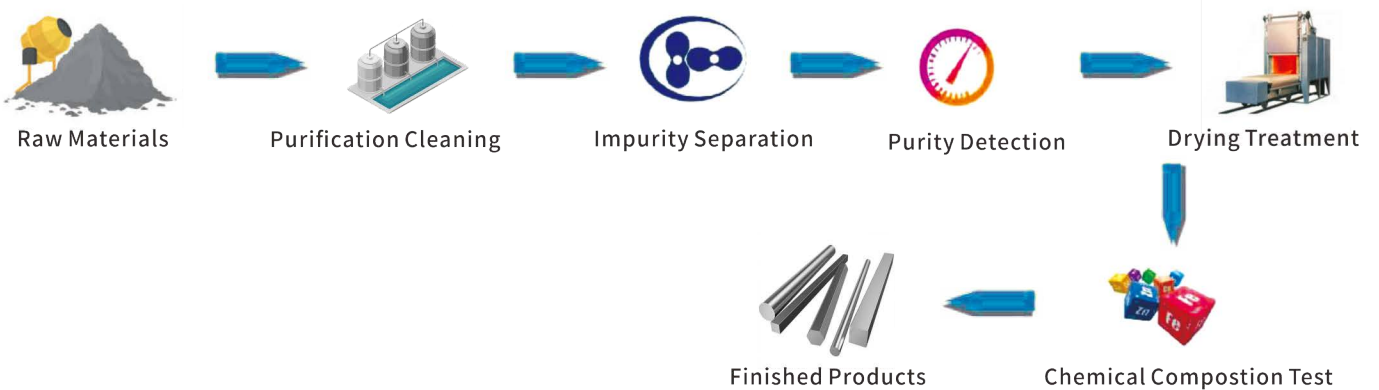
AOD Refining Process



Refining+ESR or VAR Process



Automatic Pollution-free cleaning Process



生产设施 Production Facilities

■ Special Smelting Equipment & Features

The VIM-VIDP 1000 6-ton vacuum induction furnace is a world-leading vacuum induction furnace imported from ALD company, Germany. It can produce high quality vacuum bars with diameter of 80-580mm, length of 1000-4000mm and weight of 0.04-6 tons. The furnace has 3-ton and 6 ton two crucibles, with independent melting chamber, top feeding chamber, side feeding chamber, ingot chamber, and trough chamber.

The furnace is equipped with a powerful vacuum system: The ultimate vacuum reaches 0.07Pa.

The air leakage reaches 32Pa.L/s which can produce special alloys with extremely low O, N and H contents. Through the two layers of slag and ceramics during casting filtration guarantees the purity of the molten steel and guarantees the reliability of the product quality from the equipment.



6-ton ALD vacuum induction furnace



6-ton ALD Vacuum consumable electrode furnace

VAR L660 P6 model 6-ton vacuum arc remelting furnace (VAR) is the world's leading VAR furnace imported from Germany ALD company. It can produce high quality vacuum consumable steel ingot with diameter of 304-660mm, length of 1500-2700mm and weight of 1-6 tons. The furnace is a rotating structure of "H" type double-station furnace body. The design of helium gas cooling and rapid water layer water jacket can minimize the segregation of steel ingot. The electrode X-Y adjustment system can ensure the uniform melting gap. The automatic cooling intensity control system can obtain a uniform structure. The efficient vacuum system configuration can make the smelting vacuum reach 0.08Pa. The high-precision fully compensated weighing system makes the overall weighing accuracy reach 0.125%, including welding, arc starting, melting. The whole process of computer control, filling, stabilizes the smelting products at a high level of quality. The important parameters in the smelting process are recorded by the computer in real time and generate trend graphs, which can be observed and automatically stored in real time, maintaining the permanent traceability of the products.

ESR FB 830/14 W111 type 18-ton three-station gas-protected ingot-type Electro-slag Remelting (ESR) is a world-leading ESR furnace introduced from ALD company, Germany. It can produce high quality electroslag ingots with diameters of 360-820, length of 1000-4000mm and weight of 1-18 tons. The coaxial conductive design of the furnace minimizes power consumption and stray magnetic field interference during smelting. High-precision weighing system for accurate melt rate control. The electrode X-Y adjustment system ensures that the smelting annulus is consistent. The inert gas control system can reduce the burning loss of Oxidizing Elements and the increase of O, N and H. It has the functions of automatic control of melting rate, automatic control of molten steel level and control of slag resistance fluctuation, which can be used for abnormal conditions in smelting. Automatic control to a reasonable state. The important parameters in the smelting process are recorded by the computer in real time and generate trend graphs, which can observe the automatic storage in time and maintain the permanent traceability of the products.

The performance and parameters of our special smelting equipment represent the leading level of international smelting equipment, and will provide high-quality special alloys for aviation, aerospace, nuclear power, petroleum, chemical, marine, electronics and other industries.



18 tons German ALD gas protection ingot electroslag furnace



18 tons German ALD gas protection ingot electroslag furnace

■ Refining Equipment & Features

The main equipment includes 20-ton of double-station intermediate frequency induction furnace, 20-ton purification furnace, 20-ton LF furnace, 20-ton VD/VOD refining furnace, 20-ton AOD refining furnace, 3-ton intermedium frequency induction furnace and 3 mold casting production lines for gas protection casting function. The company's complete refining equipment can design different smelting processes according to the requirements of different raw materials and steel grades. It has the production capacity of high purity low carbon, ultra low phosphorus, ultra low sulfur steel and high temperature alloy. The main products are Ni-base alloy,Co-base alloy, etc.



20-ton intermediate frequency
induction furnace



20-ton of purification furnace



20-ton LF furnace



20-ton VD/VOD refining furnace



20-ton AOD refining furnace



Molding casting production line

■ Forging Equipment & Features

The main equipment includes one 25MN and 8MN fast forging machines, five chamber heating furnaces, two trolley-type heating furnaces and five heat treatment furnaces. Finishing equipment mainly includes horizontal lathes, vertical lathes, gantry milling machines, boring machines, planers, band saws, grinding machines, etc. It can machine various forged product surface to ensure the inherent and surface quality of the products.



25MN Fast Forging Machine



8MN Fast Forging Machine



Heat Treatment Furnace



Machining Equipment



High Temperature Alloy Forging Production Line

■ Rolling Equipment & Features

The main equipment includes one 450 rolling mill, one 320 rolling mill, one 90 straightening machine, one 7-roll hyperbolic 40 straightening machine, one 11-roller 40 straightening machine, one 100 peeling machine, one 40 peeling machine, one 83 centerless grinding machine, one 80 centerless grinding machine. 10-80mm diameter high-class alloy can be rolled.



450 Rolling Mill



320 Rolling Mill



Straightening Machine



Peeling Machine



Heating Furnace



Heating Furnace

生产大纲 Production Range

Hunan Allianz possesses the expertise and the experience required to produce the highest quality special alloy forging products. From fittings to flanges, pipes to plates, rings to bars, and billets to other various shaped parts. Our material will satisfy your various project specifications.



Product Type	Product Size
Forging bar	Φ80-450mm
Round plate	D≤1200mm, H≤1400mm
Round bar	Φ4-450mm
Pipe	T: 1-50mm, OD: 6-800mm
Plate	T: 0.5-80mm
Module	Section Areas≤280000mm ² , W≤1000mm, Tk≥400mm
Ring	D≤2000mm, H≥100mm
Pipe fitting	Elbow, Tee, Reducer, Cross, Cap, Flange
Other various shaped parts	As per client's requirement

主要产品 Major Products



Forged round bar



Seamless/Welded pipe



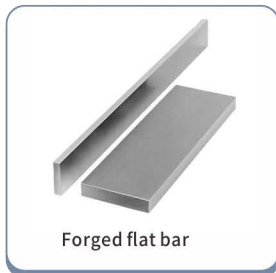
Forged round bar



Forged ring



Forged hole plate



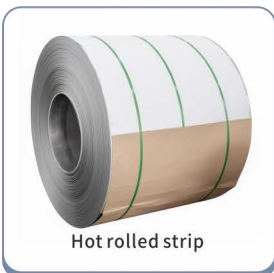
Forged flat bar



Forged molding pieces



Hot rolled round bar



Hot rolled strip



Hot rolled plate



Forged flange

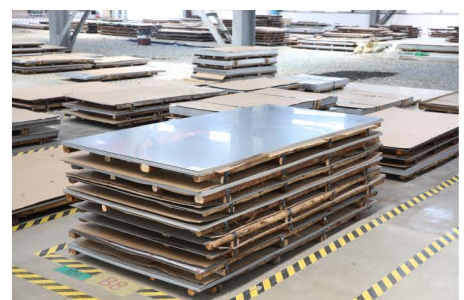


Steel ingot, electrode ingot,
electrode ingot, mother alloy

材料清单 Material List

■ Our Main Material

Category	Grade	UNS	DIN
Monel	Monel 400	N04400	W.Nr.2.4360
	Monel K-500	N05 500	W.Nr.2.4375
Inconel	Inconel 600	N06600	W.Nr.2.4816
	Inconel 601	N06601	W.Nr.2.4851
	Inconel 617	N06617	W.Nr.2.4663
	Inconel 625	N06625	W.Nr.2.4856
	Inconel 690	N06690	W.Nr.2.4642
	Inconel 718	N07718	W.Nr.2.4668
	Inconel X-750	N07750	W.Nr.2.4669
Incoloy	Incoloy A-286	S66286	W.Nr.1.4980
	Incoloy 800	N08800	W.Nr.1.4876
	Incoloy 800H	N08810	W.Nr.1.4958
	Incoloy 800HT	N08811	W.Nr.1.4959
	Incoloy 825	N08825	W.Nr.2.4858
	Incoloy 901	N09901	W.Nr.2.4662
	Incoloy 925	N09925	-
Nimonic	Incoloy 926	N08926	W.Nr.1.4529
	Nimonic 75	N06075	W.Nr.2.4951
	Nimonic 80A	N07080	W.Nr. 2.4952
	Nimonic 90	N07090	W.Nr. 2.4632
	Nimonic 105	Alloy 105	W.Nr. 2.4634
	Nimonic 263	N07263	W.Nr. 2.4650
Hastelloy	Nimonic L-605	R30605	W.Nr. 2.4964
	Hastelloy B	N1001	-
	Hastelloy B-2	N10665	W.Nr.2.4617
	Hastelloy B-3	N10675	W.Nr.2.4600
	Hastelloy C	N10002	-
	Hastelloy C-276	N10276	W.Nr.2.4819
	Hastelloy C-22	N06022	W.Nr.2.4602
	Hastelloy C-4	N06455	-
	Hastelloy C-2000	N06200	-
	Hastelloy G-35	N06035	W.Nr.2.4643
Others	Hastelloy X	N06002	-
	Hastelloy N	N10003	-
	Alloy 31	N08031	-
	Alloy 20	N08020	-
	AL-6XN	N08367	



质量检验 Quality Inspection

Chemical Composition Test



American Thermoelectric
Direct Reading Spectrometer



American Thermoelectric
ICP Spectrometer



American Infrared Carbon
and Sulfur Analyzer



American Oxygen Nitrogen
Analyzer



German Direct Reading
Spectrometer



German X Fluorescence
Spectrometer



■ Mechanical Properties Test



Electronic Universal
Material Testing Machine



Electronic High
Temperature Creep Tester



Electronic High
Temperature Endurance
Testing Machine



Metal Pendulum Impact
Testing Machine



Brinell Hardness Testing
Machine



Rockwell Hardness
Testing Machine

■ Metallographic Analysis and Nondestructive Test



German Zeiss Upright
Metallurgical Microscope



Inverted Metallographic
Microscope



Ultrasonic Flaw Detector



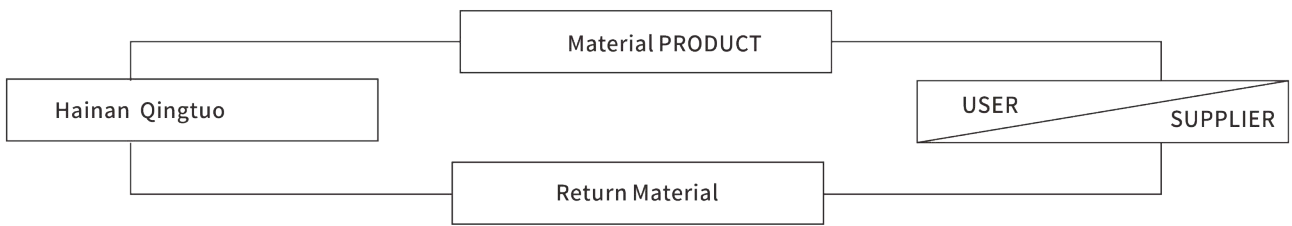
Vacuum Non-consumable
Arc Melting Furnace



售后服务 After-Sale Service

■ Business Model & Technical Support

Based on the advanced technology system and innovative business philosophy, Hunan Allianz has formed a "closed-loop" operation with the upstream and downstream customers to integrate the purchase and sale: the same customer will recover its return material, and after pure evolution processing, it will also have high quality. The product is sold to the customer, and the closed loop of the same customer's purchase and sales is realized, so that the two parties can jointly reduce the operating cost, improve the market competitiveness, and achieve mutual benefit.



■ Customer Representative

It is the contact person of the user who uses Allianz products, and is responsible for providing users with all-round services such as material selection consultation, ordering, logistics tracking, payment settlement, quality objection processing, technical guidance and information communication.

■ Product Engineer

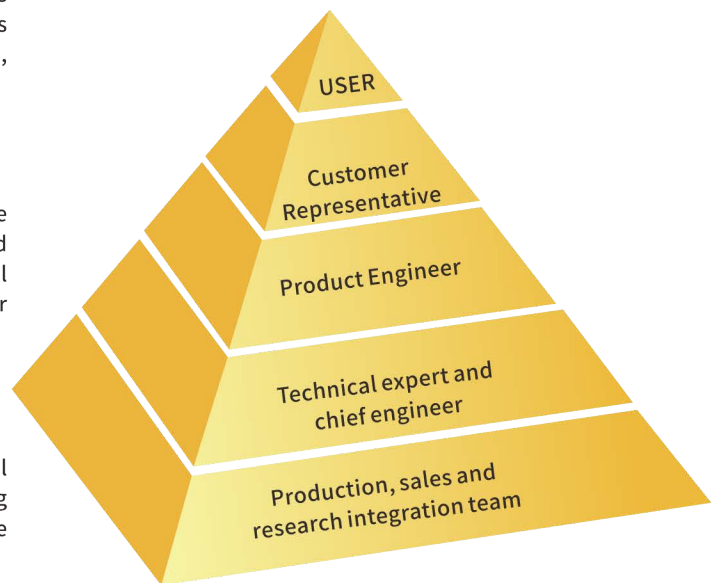
Senior engineers from Allianz Manufacturing Department provide users with various types of products, use technical services, and carry out personalized design according to customer's special requirements, solve technical problems together with customer representatives, and provide on-site services when necessary.

■ Technical expert and chief engineer

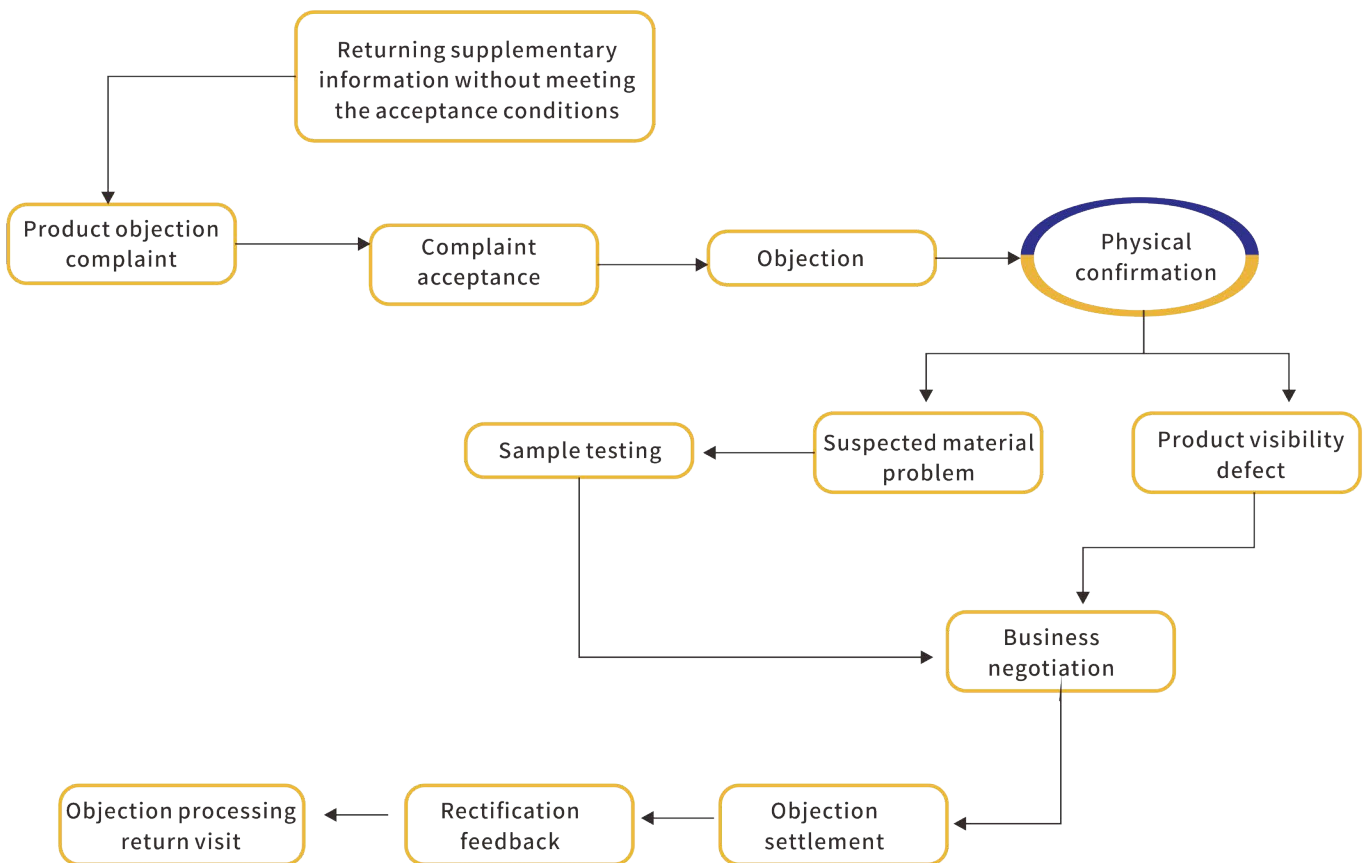
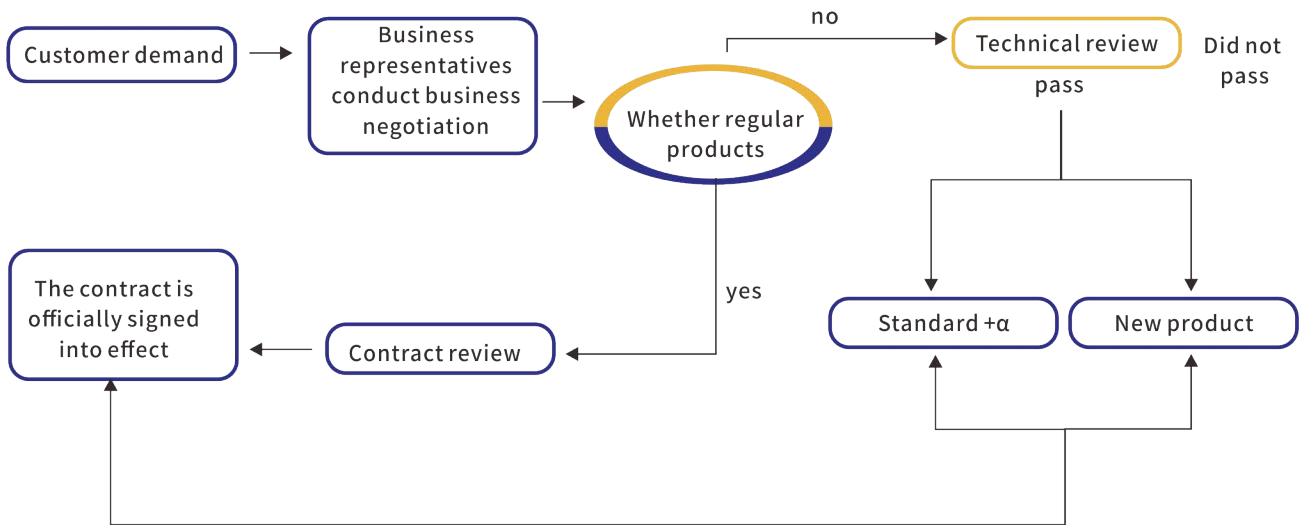
From the technical department of Allianz, the professional technical experts and chief engineers of the manufacturing department, research and develop new products of Allianz for the needs of users and the market.

■ Technical expert and chief engineer

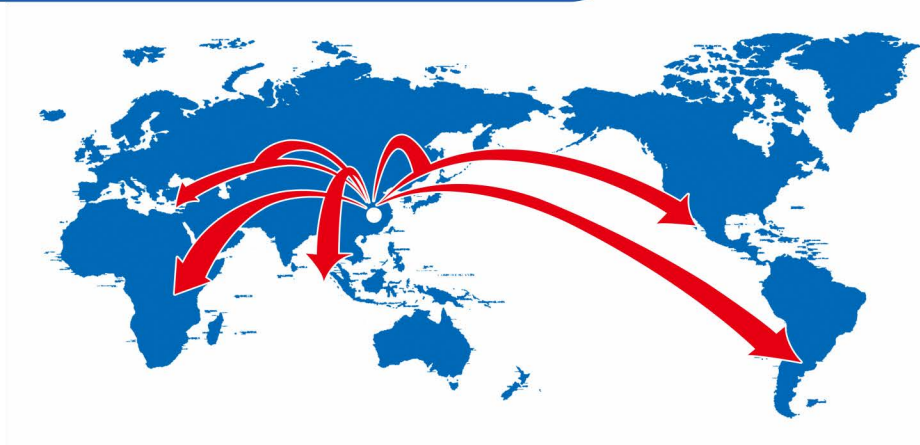
It is composed of the backbone forces of Allianz Manufacturing, Sales, R&D and other departments. It solves the problems of user use, production and R&D in a professional team and improves the market competitiveness of Allianz products.



■ Procedure of Contract Signing & Handing of Claims



出口国家 Global Clients



Africa

A01 Egypt
A02 Ghana
A03 Kenya
A04 Morocco
A05 Nigeria
A06 South Africa

Europe

D01 Austria
D02 Belarus
D03 Belgium
D04 Bulgaria
D05 Czech
D06 France

North & South America

B01 Argentina
B02 Brazil
B03 Canada
B04 Chile
B05 Colombia
B06 Costa Rica
B07 Ecuador
B08 Honduras

D07 Germany
D08 Greece
D09 Italy
D10 Lithuania
D11 Netherlands

B09 Mexico
B10 Panama
B11 Peru
B12 United States

D12 Romania
D13 Russia
D14 Spain
D15 Ukraine
D16 United Kingdom

Asia

C01 Bahrain
C02 Brunei
C03 United Arab Emirates
C04 Thailand
C05 Turkey
C06 Vietnam

Oceania

E01 Australia
E02 Fiji
E03 New Zealand

C07 India
C08 Indonesia
C09 Iran
C10 Israel
C11 Korea
C12 Kuwait
C13 Lebanon
C14 Pakistan
C15 Philippines
C16 Saudi Arabia
C17 Singapore

Contact us
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