



特种钎焊材料整体解决方案专家
Advanced Brazing Materials & Joining Solutions



BRAZING PASTE
钎焊膏



BRAZING POWDER
钎焊粉



BRAZING RIBBON
钎焊带

About Us

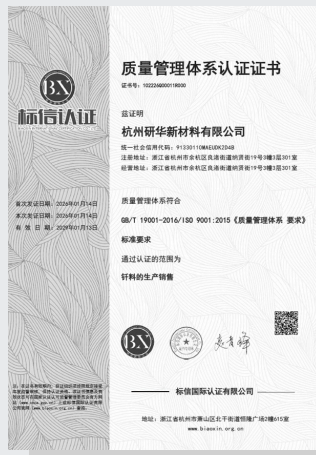
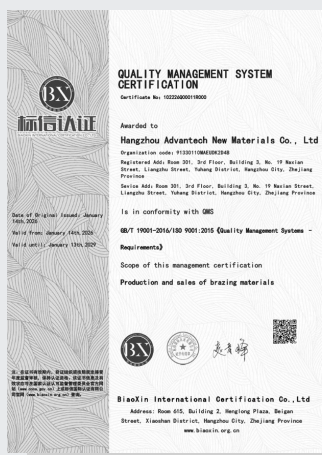
At YANHUA, we manufacture high-performance brazing alloys and brazing pastes, providing integrated joining solutions for a wide range of industrial applications.

Our capabilities cover the full production chain — from metal powder manufacturing to paste formulation. Equipped with advanced Vacuum Inert Gas Atomization (VIGA) technology, we produce high-purity metal powders with excellent flowability and controlled particle size distribution. These powders are further processed into brazing pastes with optimized viscosity, stability, and application performance.

Our product range includes copper-based and nickel-based brazing materials, widely used in heat exchangers, refrigeration systems, power generation, automotive, and advanced manufacturing industries.

We adopt a tailor-made approach to meet specific customer requirements, including alloy design, powder characteristics, and paste performance optimization. Supported by strong metallurgical expertise and strict quality control systems, we ensure consistent and reliable performance in real production environments.

Our in-house laboratory is equipped with comprehensive testing capabilities and operates in accordance with ISO/IEC 17025 standards, ensuring accurate quality verification and process stability.





LEADING INNOVATION & TECHNOLOGY

Driven by innovation, YANHUA transforms advanced materials and engineering expertise into tailored solutions that meet real-world application demands.

Manufacturing & Engineering Excellence

Through continuous investment in technology, equipment, and precision manufacturing, YANHUA delivers high-performance and environmentally responsible products aligned with global standards.



QUALITY ASSURANCE

YANHUA operates under internationally recognized management systems, including ISO 9001, ISO 14001, and OHSAS 18001, with quality practices aligned to ISO/TS 16949 standards.

Advanced inspection equipment and strict process control ensure consistent product quality and reliability.



HVAC
REFRIGERATION



AEROSPACE



MARINE



FOOD &
PHARMACEUTICAL



SEMICONDUCTOR



HVAC & REFRIGERATION

- Nickel-based and flux-free stainless steel brazing pastes for flux-free heat exchangers
- Suitable for refrigeration, CO₂ systems, H₂ systems, and high-cleanliness applications
- Excellent corrosion resistance and long-term sealing reliability

AEROSPACE

- Titanium and nickel-based brazing materials for high-temperature and vacuum environments
- Applied in aerospace heat exchangers, fuel systems, and structural components
- High strength, outstanding oxidation resistance, and superior reliability



MARINE ENGINEERING

- Titanium and nickel-based brazing materials suitable for seawater
- Excellent resistance to chloride corrosion and biofouling
- Used in shipboard and offshore platform cooling systems



FOOD & PHARMACE

- Ni-free stainless steel brazing solutions for hygienic applications
- No copper contamination, compliant with food safety standards
- Suitable for dairy, beverage, and pharmaceutical industries

SEMICONDUCTOR INDUSTRY

- Ni-free and high-cleanliness brazing materials for semiconductor applications
- Suitable for ultra-pure water (UPW) and high-purity chemical systems
- Low contamination, high reliability, meeting cleanroom requirements

PRODUTS RANGE

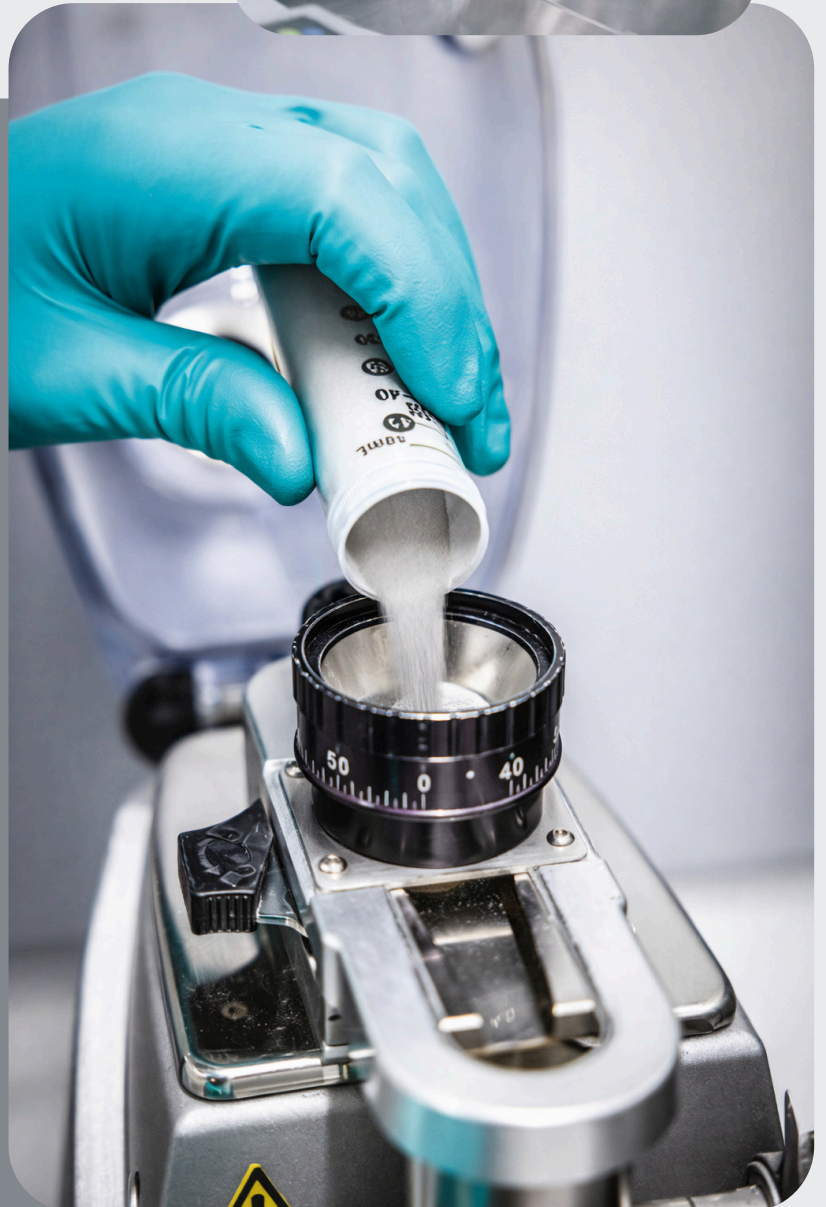
- Nickle Brazing filler:BNi2, BNi5, BNi7, BNi15
- Steainelss Brazing filler : S2509, S2508
- Ti Brazing filler: T2601
- Aluminum Brazing filler :AlSi12, AlSi10, AlSiCu, AlSiMg, ZnAl



IN-HOUSE LABORATORY

YANHUA operates a fully equipped in-house laboratory with advanced testing instruments, including particle size analyzers, ICP-OES, metallographic microscopes, viscometers, and thermal analysis systems.

From raw materials to finished products, comprehensive testing ensures consistent quality, reliable performance, and compliance with demanding application requirements across industries.



Nickel-based	Composition/wt%	Particle Size	Melting Temp°C	Brazing Temp °C	Form
BNi2	Ni:BAL,Cr:7;B:3 Si:4.5, Fe:4.5	-150 -300 -400	960-1020	1030-1100	Powder/Paster
BNi5	Ni:BAL,Cr:19;Si:10	-150 -300	1080-1135	1150-1205	Powder/Paster
BNi7	Ni:BAL,Cr:14;P:10	-150 -300	888	950-1080	Powder/Paster
BNi15	Ni:BAL,Cr:29;Si:4 P:6	-150 -300	986-1008	1080-1130	Powder/Paster

Iron-based	Composition/wt%	Particle Size	Melting Temp°C	Brazing Temp °C	Form
S2509	Ni:30,Cr:29;P:4 Si:4.5, Fe:BAL	-150 -300 -400	1042-1060	1080-1130	Powder/Paster
S2508	Ni:20,Cr:28;Si:5 P:5,Fe:BAL	-150 -300	1060-1080	1090-1150	Powder/Paster

Ti-based	Composition/wt%	Particle Size	Melting Temp°C	Brazing Temp °C	Form
T2601	Ti:rest; Zr:24-26; Other:20-30	-200	820-850	900-1050	Powder/Paster

AL brazing	Al%	Si %	Mg %	Cu %	Zn %	Melting Temp°C	Suitable Materials	Form
AlSi12	Balance	11-13	--	--	--	575-585	1xx, 3xx series aluminum brazing	Powder/Paster
AlSi10	Balance	9-11	--	--	--	575-590	1xx, 3xx series aluminum brazing	Powder/Paster
AlSiCu	Balance	6	--	28	--	525-535	1xx, 3xx ,6xx series aluminum brazing	Powder/Paster
AlSiMg	Balance	11-13	0.1-0.5	--	--	562-582	Vacuum brazing	Powder/Paster
ZnAl	Balance	--	--	--	90	420	AL-AL, AL-Cu	Powder/Paster
ZnAl	Balance	--	--	--	80	475	AL-AL, AL-Cu	Powder/Paster

YANHUA 研华

— ADVANCED BRAZING MATERIAL —

YANHUA BRAZING MATERIAL

ADD: No.301, Unit 19, NAXIAN ROAD,
YUHANG DISTRICT
HANGZHOU, CHINA

WWW.HEXNOVAS.COM