



**Technology Safeguards the Source of Life,
Together Creating a Sustainable Future**

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**BEIJING
CHINA**

EVERY DROP GETS HOPE



COMPANY PROFILE

Beijing Bianhuadian Chemical Analytical Instruments Co.,Ltd. is a high-tech enterprise with over 30 years of experience in the water treatment industry. Integrating R&D, design, manufacturing, sales, engineering, and services, we offer a full range of water treatment solutions, from industrial wastewater and municipal wastewater to ultra-pure water for chip manufacturing.

Core Advantages:

Technological Leadership: With over a hundred national patents and two gold awards in the water treatment industry, we continuously innovate to lead industry development.

Comprehensive Product Line: Our product line covers wastewater treatment equipment, pure water production equipment, and water quality analysis equipment, meeting the diverse needs of our customers.

Large-scale Production: We have two modern production bases covering an area of 30,000 square meters, equipped with strong production and R&D capabilities.

Rich Experience: We possess extensive engineering experience and exceptional project implementation capabilities.

Our Commitment:

Environmental Friendliness: Through advanced water treatment technologies, we improve water environments and bring new life to every drop of water.

Customer Focus: We provide professional, efficient, and thoughtful services to meet our customers' individualized needs.

In a nutshell:

Beijing Bianhuadian is your trusted water treatment expert, dedicated to creating cleaner and better water environments for our customers.

COMPANY CULTURE

Our technology makes the environment better.

Leading innovation, with exceptional products, a renowned brand, and modern governance.

GLOBAL LEADING WATER TREATMENT DESIGN CONCEPT



TEAM INTRODUCTION



marketing
商务运营

The business team has professional industry knowledge and rich industry experience. We focus on teamwork and are committed to providing customers with professional business solutions. We uphold integrity, professionalism, and efficiency to create greater value for customers.



Research team
研发团队

The R&D team is committed to developing future technological products, pursuing technological breakthroughs and revolutionary innovation, providing high-quality solutions, and ensuring product competitiveness.



design team
设计团队

Committed to providing customers with professional, reliable, energy-saving, automated, and intelligent excellent design solutions.



manufacturing team
制造团队

Our rigorous manufacturing team and internationally advanced manufacturing equipment make the entire manufacturing process more efficient, precise, and reliable. We have always taken this as our standard.



Support
服务团队

Our professional after-sales service prioritizes service, with quick response and efficient problem-solving. We promise worry free after-sales service to ensure customer satisfaction and trust.

SEMICONDUCTOR

By integrating AI-powered industrial automation, advanced high-purity water production technologies, and a combination of multiple processes for wastewater recycling, we have achieved over 90% wastewater recovery rates with a resistivity of up to 18 megohms.



- 0.2-micron precision filtration
- ultrafiltration
- reverse osmosis
- electrodialysis deionization (EDI)
- nitrogen protection
- degassing membrane



TEXTILE

Innovative membrane technology for precise carbon and nitrogen balance control in wastewater treatment, integrating principles from physics, chemistry, and biology.



▶ Main Methods for Treating Textile Dyeing Wastewater

I. Chemical Treatment:

- 1.Coagulation
2. Oxidation
3. Neutralization

III. Biological Treatment:

1. Activated Sludge Process
2. Rotating Biological Contactor
3. Biological Contact Oxidation

II. Physical Treatment:

- 1.Sedimentation
2. Adsorption
3. Membrane Separation

MUNICIPAL



We provide innovative solutions for our municipal clients, enabling them to minimize energy consumption and optimize the performance of their pumping systems, lift stations, and wastewater treatment plants in the face of evolving environmental challenges.



- ◆ Chemical precipitation
- ◆ Biological treatment
- ◆ Membrane process
- ◆ Advanced oxidation process (AOP)
- ◆ Sludge dewatering



BIOMEDICAL

Combined physical and biological treatments are employed to remove various pollutants from wastewater, enhancing its biodegradability.

Advanced processes like Fenton oxidation enable zero liquid discharge of industrial wastewater. Intelligent systems optimize the treatment process, reducing costs and improving efficiency.

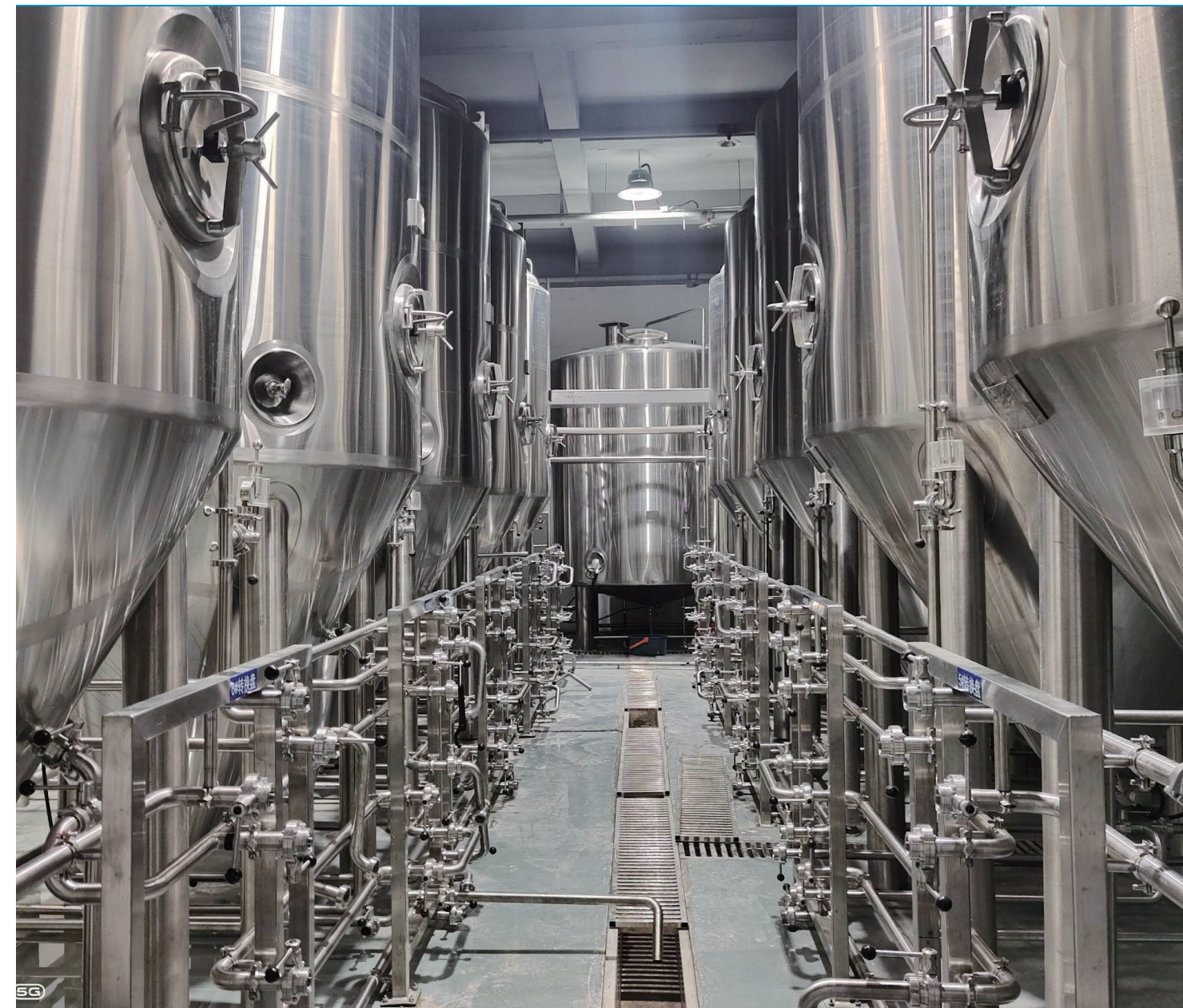


- ◆ anaerobic reactor
- ◆ flotation process
- ◆ Membrane Bio-Reactor (MBR)
- ◆ coagulation, flocculation, and sedimentation unit
- ◆ micro-electrolysis
- ◆ Fenton process
- ◆ advanced oxidation process using ozone



FOOD & BEVERAGE

By leveraging cutting-edge intelligent water treatment technologies, we empower food producers to enhance wastewater treatment efficiency, reduce environmental pollution, and achieve water resource recycling, resulting in a win-win situation for both economic benefits and environmental protection.



- ◆ Membrane Filtration
- ◆ Hygienic Valves
- ◆ CO2 Extraction & Recovery
- ◆ Quality Control Equipment
- ◆ Microfiltration
- ◆ Water Deaeration
- ◆ Carbonation & Blending

ENERGY INDUSTRY



Ion exchange technology: This process involves using ion exchange resins to replace ions in water with other ions.

Reverse osmosis technology: This technology uses a semi-permeable membrane to separate water molecules from impurities under pressure.

Mixed bed technology: This combines cation and anion exchange resins to remove both positively and negatively charged ions from water.

Sand filtration and carbon adsorption technology: This process uses sand and activated carbon to remove suspended solids, organic matter, and chlorine from water.

Ultrafiltration technology: This uses membranes with very small pores to remove larger molecules and particles from water, such as bacteria and colloids.



SOME OF THE COMPANIES WE'VE COLLABORATED WITH.

