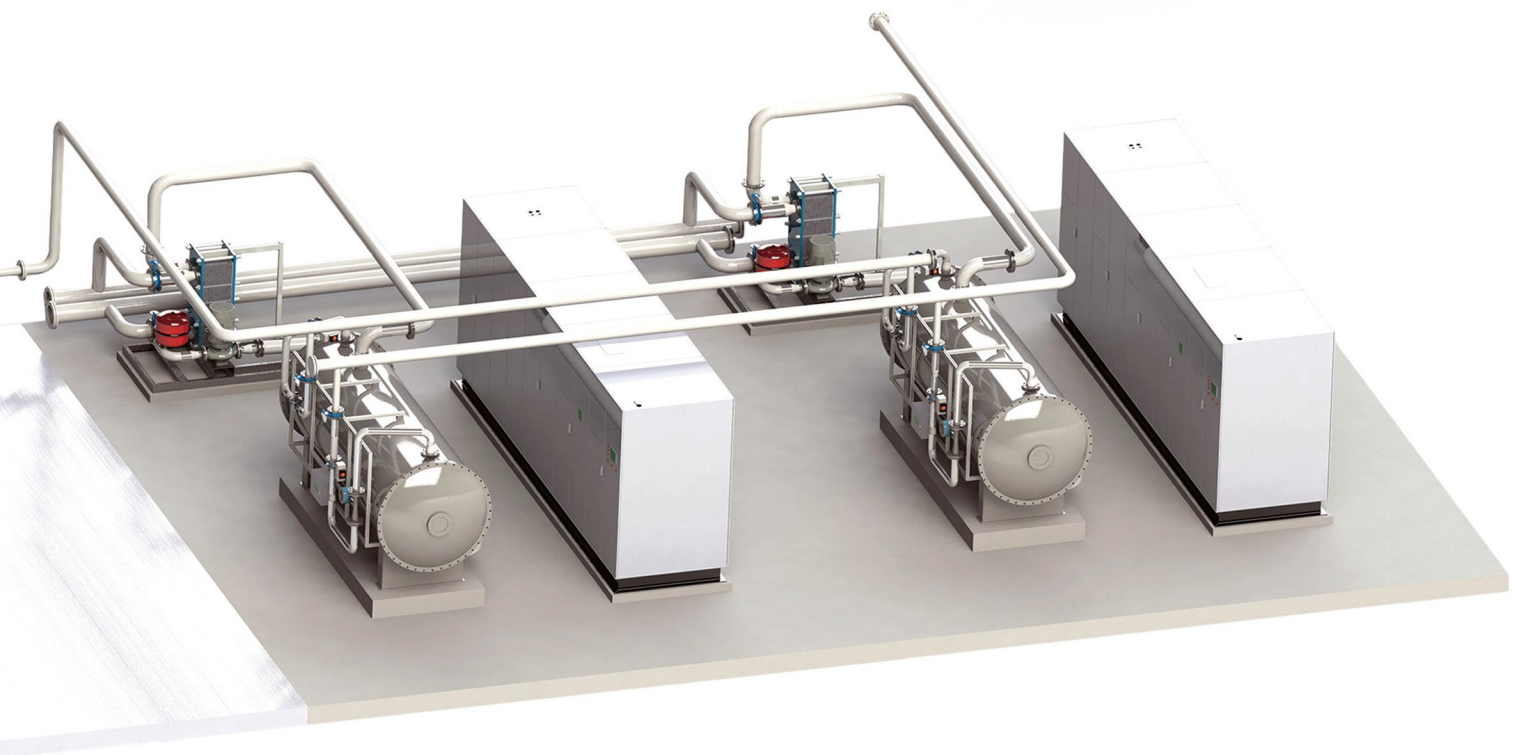


**GUOLIN**

**GLOBAL OZONE  
SYSTEM SUPPLIER**



**GUOLIN TECHNOLOGY GROUP**



# Company Introduction

Qingdao Guolin Technology Group Co., Ltd. was established in 1994, which is high-tech enterprise focusing on ozone research, manufacture and trade. As a professional organization, Guolin invests itself in ozone generation mechanism research, ozone equipment design and manufacture, ozone application engineering design, installation, commissioning, operation and maintenance. Guolin is the first enterprise which can design and manufacture 10kg/h, 50kg/h, 100kg/h and 120kg/h large-scale ozone generator in China. With 30 years of development, Guolin Technology has become the globally known professional ozone equipment manufacturer and global ozone system supplier.



## Production Capacity

Guolin focuses on the field of ozone system equipment manufacturing and is committed to be a specialized ozone system supplier. It has a production workshop and technical performance test workshop for manufacturing a complete set of ozone system equipment. The key core components of the ozone system are independently made.

## Patents & Certifications

11 invention patents

25 utility model patents

9 software copyrights

SGS



CE







**Municipal Water  
Supply Treatment**



**Municipal Waste Water  
Treatment and Reuse**



**Industrial Waste  
Water Treatment**



**Flue Gas  
Denitrification**



**Chemical Oxidation**



**Space Disinfection**



**Poultry Breeding**



**Bottle Water Disinfection**



**Agriculture**



**Swimming Pool  
Disinfection**



**Aquaculture**



**Disinfection**



**Oxidation**



**Color removal**



**Odor removal**





# Key Technology Features

01

Ozone Application Technology

02

Integration, Online Detection & Remote Diagnostic Control of Ozone System

03

R&D Technology of Ozone Generator Series Products

04

R&D Technology of Supporting Equipments for Ozone System

05

Core Technology of Ozone Generator

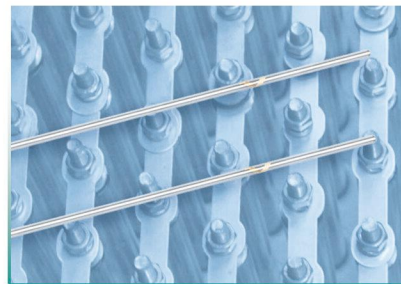
➤ Capacitive load high power inverter resonant power supply technology. The power control core is a highly reliable CPU, equipped with automatic soft start function, and multiple protection devices. Ozone output and concentration can also be smoothly adjusted.

➤ Capacitive load high power dry type high voltage transformer technology.

➤ Power control technology based on IP core and digital logic circuit. New Power supply technology designed 12 pulse fully controlled rectifier circuit, which generates smaller harmonics and makes the power supply more stable.

➤ Both glass discharge dielectric and non-glass discharge dielectric technology.








➤ Embedded on-line detection and remote monitoring technology of ozone system.



# Customer Service

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Guolin's after-sales team provides clients with professional technical support, fault diagnosis and repair services to ensure that equipment is kept in the best performance condition.

-  On-site engineer service
-  Remote technical support
-  Spare parts supply
-  Debugging
-  Installation
-  Technical training
-  Lifetime maintenance



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**Web:** www.china-guolin.com/en/





01

Ozone generation tank and power supply unit(PSU) can be made into a skid-mounted integrated unit or separate structure unit, according to the size of installation room for reasonable layout.

02

Ozone generator can be designed for vertical structure or horizontal structure, base reserved for forklift access, convenient equipment transportation, installation and maintenance.

03

Ozone generation tank and skid pipes are made of SS316L, provided with international standard flange connection, equipped with automatic adjustment valve, automatic monitoring instrument, concentration measurement instrument.

04

Water cooling type with optimal water intake temperature between 15°C and 25°C, ensure more stable and energy-saving operation of the equipment.

05

Ozone generator uses international advanced capacitive load high power inverter resonant power supply technology to improve system control.

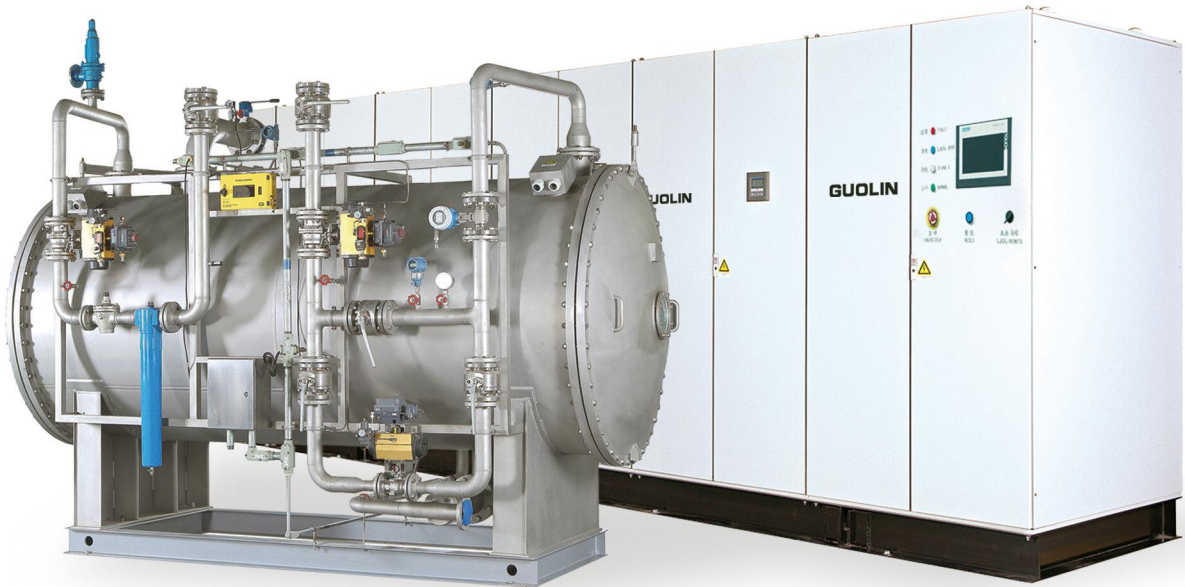
06

Air conditioning system isolates the electrical components from the ambient air to ensure that the ozone generator meets the requirements of high technical specifications and can operate in harsh conditions.

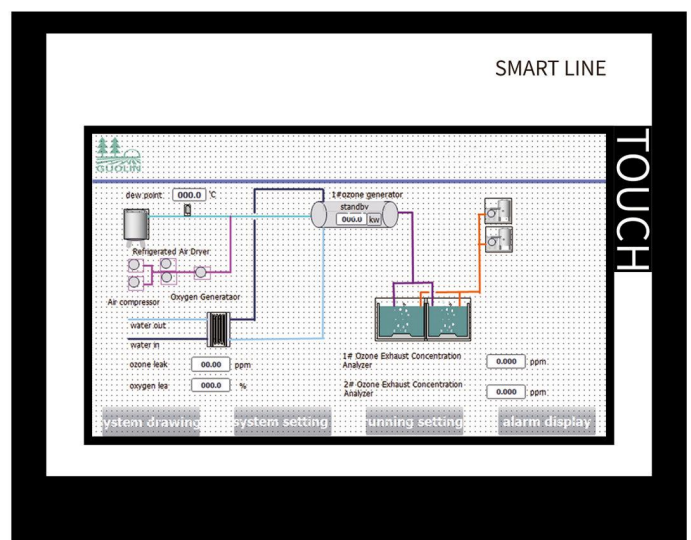
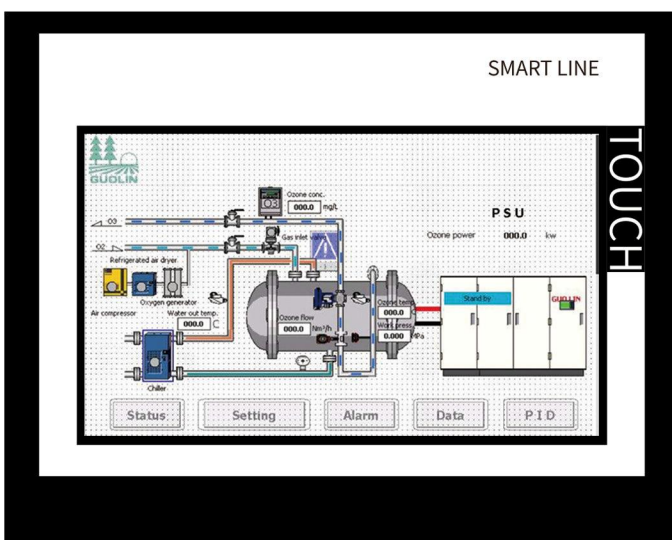


# GUOLIN Ozone Generator

Single ozone generator can be customized output capacity of 150kgO<sub>3</sub>/h, oxygen source ozone concentration 148mg/L(10wt%), the highest ozone concentration 18wt%(273.6mg/L); Air source ozone concentration over 3wt% to be customized, the highest ozone concentration 4.3wt% (56mg/L).



## Intelligent Control and Detection



**Local/Remote Control**--GUOLIN series ozone generators can be equipped with PLC automatic control system. User can control and read the technical parameters and adjust ozone capacity through HMI touch screen, to realize the intelligent control and comprehensive safety monitoring of whole ozone generation system. PLC main brands are Siemens and Schneider or customized according to customer needs. Network interface, such as TCP/IP, Profibus, or Ethernet.

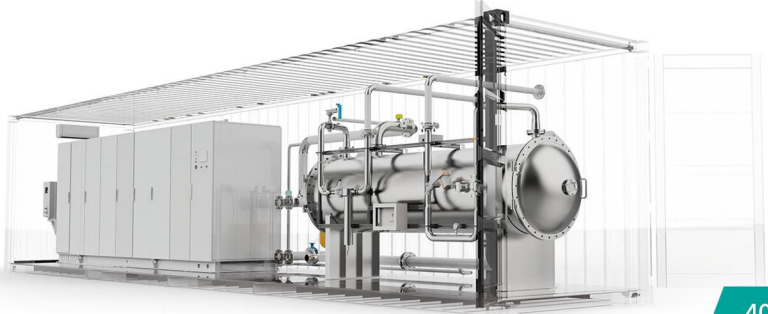


# Supporting Equipment

## CONTAINERIZED OZONE INTEGRATED SYSTEM



20' GP



40' HQ

## FEED SOURCE SYSTEM

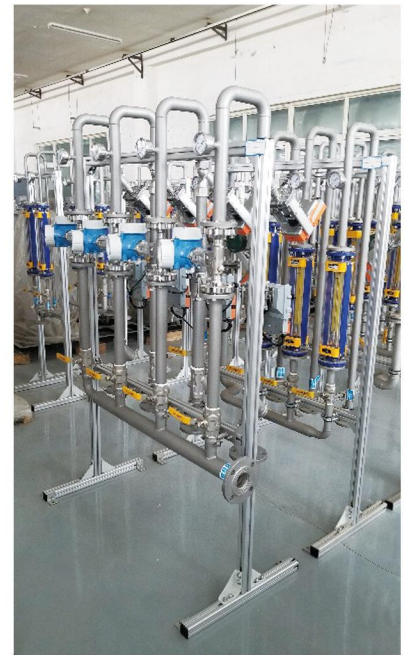


PSA Oxygen Generator



VPSA Oxygen Generation System

## OZONE DOSING SYSTEM



Ozone Distribution Unit

## COOLING-WATER SYSTEM



Chiller



Plate Heat Exchanger & Pump Unit

## OZONE DESTRUCTOR



Venturi Pipe (Injector)



Diffusers