

Integrated Medical Waste Autoclave with Shredder

Model MWI-300

Date: 7th. Jul. 2021



(The pictures are for reference, please subject to the final products)

PREPARED FOR

Corneliu Bunic

Ericon SRL

PROVIDED BY

Manyu Li

From Gient Heating Industry Co., Ltd

Contents

| | |
|---|----|
| 1. Company Brief..... | 2 |
| 2. Technical Specification..... | 3 |
| 3. System Composition | 5 |
| 4. Basic Operation Requirement..... | 8 |
| 5. Gient Technologies and Advantages..... | 10 |
| 6. Budgetary | 11 |
| 7. Certificates and Approvals | 13 |

1. Company Brief

Gient was established in 1995, as the national high-tech enterprise, Gient specializes in design, engineering, and manufacturing sterilization medical waste treatment systems.

Gient has owned dozens of global leading patented and proprietary technologies and uses a patented, automated, proven infectious waste treatment process which achieves highest efficacy and respects the strictest environmental standards worldwide. As China's leading supplier of medical waste treatment system, Gient has successfully built up more than hundreds of units of medical waste autoclave systems over 20 countries on five continents. Gient's medical waste treatment products including: centralized medical waste treatment system, integrated autoclave with shredder and mobile unit, which can meet various demands of the medical waste disposal.

Gient has been approved following certification systems including but not limited:

ASME (The American Society of Mechanical Engineers),

CE (European Directives),

ISO9001 /ISO14001/ISO45001,

CNAS (China National Accreditation Service for Conformity Assessment),

SGS (Societe Generale de Surveillance S.A)



2. Technical Specification

2.1 Proposal brief

2.1.1 This is an integrated medical waste treatment solution applied in hospital.

2.1.2 Integrated Autoclave with Shredder (MWI series) is designed for treatment of infectious waste, sharps and pathological waste or regulated waste as per local authority.

2.1.3 The daily working time in this proposal is calculated at one shift (8h), however, more shifts are allowed.

2.1.4 The average medical waste density in this proposal is calculated at 100 kg/m³. Please note the actual density should be according to local conditions.

2.1.5 Processing capacity: one unit of MWI-300 can dispose 30kg/cycle and based on 30min cycle time, and disposes 60kg/h.

2.2 Operating principle

In medical waste treatment, the waste is loaded through the top door into the autoclave; the waste is then shredded and fall to the sterilizing chamber of the autoclave; saturated steam (121°C-138°C) is then injected to sterilize the waste and whole autoclave; after the water cooling and evacuation (-0.06MPa) processes, the final shredded and sterile waste achieves a microbial inactivation 8Log₁₀ (99.999999%) and disposed as municipal waste. All the processes are automatic and closed in one vessel.

2.2.1 Operation process chart



1.Loading 2.Shredding 3.Sterilization 4.Cooling 5.Vacuum 6.Unloading

2.2.2 Process description

Loading: medical waste is loaded into loading chamber by an automatic dumper through the top door.

Shredding: The shredder rotates forwards and backwards to shred the waste into unrecognizable pieces which then fall into the sterilizing chamber.

Sterilizing: in the sterilization process, the saturated steam is injected into the chamber to heat the

All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.

waste to destroy all forms of microbial germs.

Cooling and drainage: the cold water is sprayed into the chamber to decrease the temperature and then be drained out.

Post-vacuum: post-vacuum process is to remove the residual vapor and moisture to reduce the odor, and the treated waste is cooled and dry at end of the cycle.

Unloading: the bottom door open, and the sterile waste is unloaded.

Please see video <https://www.youtube.com/watch?v=4p64BPfL1gA&t=18s> for more detail.

2.3 Technical specification & main parameter for one unit of MWI-300

| MWI Series | Unit | MWI-300 |
|---------------------------|-------------------|---------------------------------------|
| General Parameters | | |
| Dimension (L×W×H) | mm | 3800×2700×5100* |
| Chamber Material | - | Stainless Steel |
| Net Weight | ton | 3.5 |
| Rated Power | kW | 11 |
| Loading | - | Vertical loading, by automatic dumper |
| Disposal Volume | liter/cycle | 300 |
| Waste Density* | kg/m ³ | 100 |
| Disposal Weight | kg/cycle | 60 |
| Cycle Time | min | 30 |
| Working Temperature | °C | 121-138 |
| Working Pressure | MPa | -0.06-0.25 |
| Design Temperature | °C | 152 |
| Design Pressure | MPa | -0.1-0.4 |
| Microbial Inactivation | - | 8 Log10 (99.999999%) |
| Volume Reduction | % | 80 |

*Dimension may be modified according to local circumstance, please subject to the final product.

*Please note the actual waste density is according to local conditions.

3. System Composition

The integrated autoclave with shredder system is mainly composed of autoclave with built-in shredder unit, hydraulic ring vacuum pump, control system, valves and instruments, and material handling system including loading and unloading containers, automated dumper, platform and steam generator etc.

3.1 Autoclave

High temperature, high pressure, and high vacuum autoclave sterilization system with built-in shredder, computerized by control plus PLC for centralized medical waste treatment.

3.1.1 Standard

The autoclave is manufactured and tested in accordance to GB and certified by CE 2014/68/EU.

3.1.2 Autoclave material

Autoclave chamber material is stainless steel.

3.1.3 Autoclave door system

Automatic & quick opening door with mechanical interlock devices; PLC interlock controlled with double safety design assure that no steam going into autoclave when door is unlocked and no door opening while under pressure. Autoclave door ring is sealed by inflatable sealing ring.

3.2 Built-in shredder

To match with the autoclave system, medical waste shredders are designed to render waste into unrecognizable short pieces. The shredder features of:

- WIPO patent of special disassembling structure of the shredder.
- Double-shaft shredder with special wear-resistant blades, strong and durable.
- The shredder identifies waste jamming and change rotating direction alternatively to crush the waste thoroughly.
- Low speed torsion, crush all kinds of medical waste.
- Controlled by PLC, automated recognize forwarding & reversing, overload protection etc.



Fig.: Shredder Blades & Shafts

3.3 Vacuum pump

High efficiency hydraulic ring vacuum is capable to evacuating air to negative pressure in a short time.

3.4 Control system

Microprocessor control system for autoclaves including safety instrument to monitor and control the autoclave operation. Powerful features including but not limited:

- Siemens HMI color touch screen 10'' or similar brand.
- All electrical components are provided by world famous brand such as Siemens.
- Visible live treatment process, real-time temperature and pressure.
- Updatable and super-micro programmable logic controller (PLC).
- Automatically recording/data memory.
- Micro-printer to print operation data every cycle.
- Safety interlocks for door operation.
- Failure alarm and emergency stop.
- Auto/manual switch mode available.
- Multiple languages available.



Fig. Colorful Touch Screen with Live Process

All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.

3.5 Material handling system

3.5.1 Dumper

The heavy-duty dumper can be customized and matched to work with the containers, which works to lift the container and dump the waste into the autoclave loading chamber.

3.5.2 Loading container

The containers are for transportation and loading the waste. Volume: 240L.

3.5.3 Unloading system

Gient provides either unloading cart/container or automated unloading system according to site circumstance.

3.5.4 Maintenance platform including ladder etc.

The maintenance platform including ladder etc. is to help operator to inspect the machines at a time of repair or maintenance etc.

3.6 Steam generator

Gient supplies steam generator to each autoclave system, which is special suitable for medical waste treatment and match the operation of MWI-300.

3.6.1 Standard

The boiler is manufactured and tested in accordance to GB and certified by CE 2014/68/EU.

3.6.2 Technical specifications of boiler

Boiler system includes a water supply pump, water softener, and control cabinet etc.

| Steam generator | Unit | WDR0.1-0.7 |
|-------------------|------|----------------|
| Dimension (L×W×H) | mm | 1400×1000×1100 |
| Net Weight | kg | 400 |
| Rated Evaporation | kg | 110 |
| Rated Power | kW | 90 |
| Fuel Type | - | Electricity |

*Specification for reference, please subject to final confirmation.

3.6.3 Features of Steam Generator

- Fast and large quantity steam supply special designed for medical waste treatment.
- With a larger water volume
- Stable high quality steam supply & energy saving design

All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.

4. Basic Operation Requirement

| Infrastructure | | | | |
|---|-------------------------------|------|-------|---|
| | Name | Unit | Value | Remark |
| 1 | Water source | MPa | 0.3 | Client shall prepare the qualified booster pump if the water pressure does not meet the requirement on site. |
| 2 | Steam source | MPa | 0.7 | Client can choose Gient boiler to provide steam source. |
| 3 | Compressed air source | MPa | 0.8 | Client shall prepare the qualified air compressor if the compressed air does not meet the requirement on site. |
| 4 | Power supply | kW | 105 | Power specification will be in accordance with local power supply. The local power supply shall be stable. |
| 5 | Sewage system | - | - | Sewage/waste gas will enter to user's sewage/exhaust gas treatment system, the corresponding treatment systems is determined by the local laws and regulations. |
| 6 | Waste gas | - | - | |
| Building Requirements | | | | |
| 1 | Operation dimension | mm | | L×W×H |
| 2 | The minimum size of the plant | m | | L×W×H |
| 3 | Floor strength | - | - | Weight of the equipment |
| Building requirements and layout design drawings will be according to local requirements and be given after local requirements are confirmed. | | | | |

4.2 Operation Cost Data of Medical Waste Treatment System

4.2.1. Equipment power consumption (total power consumption is 39kWh/h)

| No. | Item | Rated power kW | Electricity consumption/cycle kWh | Electricity consumption/hour kWh |
|-----|------------------------------------|----------------|-----------------------------------|----------------------------------|
| 1 | Steam generator | 90 | 17 | 34 |
| 2 | Integrated Autoclave with Shredder | 11 | 1.5 | 3 |
| 3 | Air compressor | 3 | 1 | 2 |

All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.

4.2.2 System water consumption (total approx. 0.18m³/h)

| No. | Item | Water consumption kg/cycle | Water consumption kg/cycle |
|-----|---------------------------------------|-------------------------------|-------------------------------|
| 1 | Steam generator | 20 | 40 |
| 2 | Integrated Autoclave with Shredder | 70 | 140 |

Note: The data is for reference, please subject to final operation cost

5. Gient Technologies and Advantages

We are proud to provide Gient medical waste treatment system with unique features and advantages as follows:

INNOVATION

- Wide ranges of product series cater to various demands.
- Advanced technologies applied in design, manufacturing, and service.
- Patented technologies for easy and quick replacement of blades.
- Customer oriented design and service.
- One-stop supply provide to customers full package proposal.

EASY AND SAFE

- Fully automated operation process.
- Computerized system plus PLC.
- Touch screen enables every process visible.
- Operators no contact with infectious waste in whole process.
- Secured by multiple safety mechanism (including hydraulic, mechanical, and electrical protection).

CLEAN AND EFFECTIVE

- Green process without emission of harmful substance (VOCs such as dioxin, furan etc.).
- Clean process reducing 90% nuisance odors on-site.
- Respect strict environmental standard worldwide.
- Microbial inactivation efficacy test exceeds 8 Log₁₀ (99.999999%).
- Final product is rendered unrecognizable same as household waste.

ECONOMICAL AND RELIABLE

- Proven lowest operation cost.
- Water recycling option available.
- Low maintenance cost budget.
- Spare parts available at low budget for lifetime.

All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.

6. Budgetary

6.1 Price

| Description | Model | Unit Price (USD) | Qty. | Total Price (USD) |
|---|------------|------------------|------|-------------------|
| 1. Medical waste treatment system <ul style="list-style-type: none"> • Integrated autoclave with shredder • Vacuum pump • PLC control cabinet with touch screen • Pneumatic control system • Automated dumper • Supporting platform • Customized unloading system • Valves and instruments | MWI-300 | 90,000 | 1 | 110,000 |
| 2. Steam generator <ul style="list-style-type: none"> • Steam generator body • Valves and instruments • Water softener | WDR1.0-0.7 | 12,000 | 1 | |
| 3. Onsite installation guidance, debugging, and training 7 days' installation guidance, debugging, and on-site training. | - | 8,000 | | |

6.2 Remarks

- 1) PRICE: **FOB Chongqing, China**
- 2) PAYMENT TERM: 30% down payment and 70% balance before shipment.
- 3) LEAD TIME: 90 days after receive down payment.
- 4) PACKAGE: Seaworthy package.
- 5) VALIDITY: 30 days.
- 6) WARRANTY: 24 months against Bill Lading date.

6.3 Warranty

Gient warrants that the product supplied when operated and maintained by competent personnel and in accordance with the instructions, and provided that the client has made no alterations to the system, then Gient shall guarantee quality 24 months against B/L date. Gient will correct or replace defective component or part, provided client gives the written notice during said warrant period. Exception is taken for normal wear, tear or abuse and consumables.

All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.

6.4 After-sales Service

6.4.1 Onsite Service

Gient engineers shall be responsible of on-site installation, debugging, start-up and training, it can be referred as above 6.1.3. The Buyer shall provide Gient engineers business-like accommodation during the stay and provide engineer round-trip ticket (economy class). When the on-site service time is more than above mentioned days, the Buyer shall pay then engineer's labor cost (labor cost at \$350/ person/day). In case the excess time is less than one day, it shall also be calculated as one day.

6.4.2 Online Service

When the project is accepted and transferred to client, Gient will provide lifespan free online service (phone/email, etc.) of answering any questions or query during facility operation and maintenance, guidance to resolve equipment failures etc. The response time is within 12 hours.



All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.

7. Certificates and Approvals

ASME

The American Society of Mechanical Engineers



CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Chongqing Gient Heating Industry Co., Ltd.
No.3, East Rd GaobaoHu, Konggang Zone
Yubei District
Chongqing 401120
People's Republic of China

SCOPE:

Manufacture of pressure vessels at the above location only

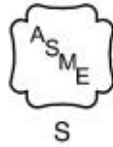
AUTHORIZED: **May 14, 2021**
EXPIRES: **May 14, 2024**
CERTIFICATE NUMBER: **56573**

Board Chair, Conformity Assessment

Managing Director, Conformity Assessment



All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.



CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Chongqing Gient Heating Industry Co., Ltd.
No.3, East Rd GaobaoHu, Konggang Zone
Yubei District
Chongqing 401120
People's Republic of China

SCOPE:

Manufacture and assembly of power boilers at the above location only

AUTHORIZED: **May 14, 2021**
EXPIRES: **May 14, 2024**
CERTIFICATE NUMBER: **56572**

Board Chair, Conformity Assessment

Managing Director, Conformity Assessment



CE



СЕРТИФИКАТ

"ЕС изследване тип - изследване проекта на типа"

CERTIFICATE

"EU type examination - Production type "

CE 2413 - 0043/20.01.2020

| | | | |
|---|---|--|--|
| Product (description) | Integrated Autoclave with Shredder - MWI 2500 | | |
| Name and address of Manufacturer | Chongqing Gient Heating Industry Co., Ltd China | | |
| Identification | Ser. No. R18069 | | |
| Capacity/Diameter [L / mm] | 5200 | | |
| Working temperature [°C] | 134 | | |
| Working pressure allowed [bar] | 3 | | |
| Test pressure [bar] | 4.5 | | |
| Fluid | steam | | |
| Category of Equipment | IV | | |

С този сертификат „Контролтест“ ООД удостоверява, че след изобилно изследване на техническата документация, подкрепената с доказателства, заедно с пригодността на техническия проект на ОНЧ и производствения процес за производство

Herewith Controltest Ltd certifies that after technical documentation and supporting evidence examination as well as after the assessment the adequacy of Pressure Equipment technical design and manufacturing process, carried out in accordance with the procedure

| Module | Procedure | Документ № | Формиране на издатия |
|----------|--|-------------------|-------------------------------|
| B | ЕС изследване на типа - изследване на проекта на ОНЧ | | Rise to issue |
| | EU-Type examination - production type | Report No. | № AR-0134 / 20.01.2020 |

1. Проект и Продукт на Integrated Autoclave with Shredder - MWI 2500 - дрв. PTG2500 съобразно на проекцията за типа съответствие наложения на Директива 2014/68/EC глава B, анексите 1, 2, 3 и 4 за съответствие с изискванията за съответствие на съответствие под налягане

Project and Product Integrated Autoclave with Shredder - MWI 2500- дрв. PTG2500

meets the essential requirements, which apply to it, set out in PED 2014/68/EU, module B/pr./, introduced by "Ordinance on Essential Requirements and Conformity Assessment of Pressure Equipment".

2. Този сертификат, който е валиден 10 години и подлежи на обновяване при поискване от заявителя, е валиден до 19.01.2030

This certificate, which is valid for 10 years and renewable upon request, is valid until 19.01.2030

Приложение R1 - Списък на елементите на котела

Annex R1 - List of components of Autoclave

3. Приложение R3 - Списък на съответните части на техническата документация.

Annex R4 - list of relevant parts of the technical documentation.

| | | |
|--|--|--|
| Место и дата на инспекцията: Place and date of inspection Sofia, Bulgaria Patras, Greece 01.2020 Chongqing, China 06.2019 | Ръководителят на ОНЧ: Head of NB: Име, Фамилия Name, Surname: М-инг. Орлин Пенков MSc. Eng. Orlin Penkov Подпис и печат Signature and stamp |   |
|--|--|--|

БДС EN ISO/IEC 17020:2012
CONTROLTEST Ltd
 NOTIFIED BODY
 12, Assen Jordanov Blvd, Sofia 1592, Bulgaria;
 tel./fax: +359/2/ 978 67 88; 978 81 14;
 e-mail ndt@controltest.eu / www.controltest.eu

ISO 55001:2014
NB 2413
 PED 2014/68//EU
 TPED 2010/35/EU

БДС EN ISO 9001:2015
 ISO 14001:2015
 OHSAS 18001:2007

КОНТРОЛТЕСТ ООД
 Орган за оценка на съответствието
 България 1592 София бул. Асен Йорданов №12;
 tel./fax: +359/2/ 978 67 88; 978 81 14;
 e-mail ndt@controltest.eu / www.controltest.eu

All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.



All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.



All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.



All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.

Sterilization Efficiency Test Report of MWI-2500 by Eurolab



Θεσσαλονίκη, 5-9-2017

Αριθμ.Πρωτ.: 14/5-9-17

ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ

Με την παρούσα επιστολή βεβαιώνεται ότι κατόπιν ελέγχου του εργαστηρίου μας περί της αποτελεσματικότητας της αποστείρωσης, κατά το πρότυπο ελέγχου ΕΛΟΤ EN ISO 11138.01, διαπιστώθηκε ότι το Σύστημα Αποστείρωσης Επικινδύνων Ιατρικών Αποβλήτων Μολυσματικού Χαρακτήρα MWI2500- GIENT του «Κέντρου Επεξεργασίας Μολυσματικών Αποβλήτων» στο 11^ο Οικοδομικό Τετράγωνο της ΒΙ.ΠΕ. Σερρών της εταιρείας «ΟΙΚΟΛΟΓΙΚΗ ΑΝΑΚΥΚΛΩΣΗ ΚΑΙ ΔΙΑΧΕΙΡΙΣΗ ΑΠΟΒΛΗΤΩΝ Α.Ε.» συμμορφώνεται στο πρότυπο του ΕΛΟΤ αρ. 12740/00, όπως αυτό ισχύει, βάσει της παρ. 4.3 του Παραρτήματος Ι της ΚΥΑ146163/12 (ΦΕΚ1537Β/8-5-12).

Για τη Eurolab

Ο Διευθυντής

Δρ. Ιωάννης Παπάτσας
Κτηνίατρος

Η Υπεύθυνη Ποιότητας

EUROLAB
Ι. ΠΑΠΑΤΣΑΣ & ΣΙΑ Ε.Ε.
ΥΠΗΡΕΣΙΕΣ ΔΕΙΞΜΩΝ & ΔΙΑΠΙΣΤΩΣΗ ΤΡΟΦΙΜΩΝ
ΑΡΤΑΚΗΣ 4 - Τ.Κ. 551 33 ΚΑΛΑΜΑΡΙΑ-ΘΕΣΣΑΛΟΝΙΚΗ
ΑΦΜ: 090320712 - Δ.Ο.Υ. ΚΑΛΑΜΑΡΙΑΣ
ΤΗΛ: 6973 248108 - FAX: 2310 947381

Δρ. Ευανθία Πετρίδου
Κτηνίατρος-Μικροβιολόγος

1 από 2

Sterilization Efficiency Test Report of MWI-2500 by CNAS






| | | | |
|---|--|--|--|
| YJKXZ[2015] No.795 | | Page 1 of 1 | |
| Name of sample: <u>Tablets for monitoring 2 units of MWI2500 system for disposing medical wastes by high temp. & press. steam</u> | | Trademark: ---- | |
| Manufactured by: ---- | | Sample source: <u>delivered for test</u> | |
| Sampled organization: ---- | | Quantity of samples: <u>20 tabs.</u> | |
| Sampling organization: ---- | | Sampled by: ---- | |
| Delivering organization: <u>Chongqing Gient Heating Industry Co., Ltd.</u> | | Delivered by: <u>Yang Chao</u> | |
| Sample status and package: <u>white paper</u> | | Date of reception: <u>Dec. 17. 2015</u> | |
| Date of manufacture/batch No.: ---- | | Date of inspection: <u>Dec. 17. 2015</u> | |
| Test item: <u>Sterilization Efficacy for MWI2500 System</u> | | | |
| Test standard: <u>Ministry of Health, Technical Standard for Disinfection (2002 Edition) 3.17.2.1</u> | | | |

Test results:

The tablet with bacteria (*B.stearothermophilus* spores ATCC7953 $5.0 \times 10^5 \sim 5.0 \times 10^6$ cfu/tab, produced by the Beijing Sihuan Disinfection Co.Ltd), delivered by the said organization for monitoring 2 units of MWI2500 system(unit A & B) for disposing medical waste by high temperature and pressure steam. Each unit with continuing 5 cycles, 2 pieces per cycle, and total sample quantity is 20 pieces. The samples has been inoculated with bromcresol purple glucose peptone water matrix and found free of bacteria growth after being cultured.



| | | |
|--|--|--|
| Tested by:  | Reviewed by:  | Issued by:  |
| (signature) | (signature) | (signature) |

Add: Changjiang Rd No.8, Yuzhong Dis., Chongqing, China 400042 Tel: 86 (023) 68812536

All rights to this proposal belong to Gient Heating Industry Co., Ltd. Any use or transfer of text/information shall be agreed by Gient in advance.



Gient Heating Industry Co., Ltd.

No.3 Gaobaohu East Road, Konggang zone, Yubei district,

Chongqing 401120, China

Web: www.gient.net

Phone: +86 23 67383009

Email: info@gient.cn