

Dual-frequency Ultrasonic Generator



The TD series generator is a dual-frequency ultrasonic generator that has been developed by Clangsonic Company for more than ten years and is positioned in the field of high-end industrial cleaning. A single generator can output two different frequencies. This generator is developed with the new technology and with full-bridge phase shift, constant power output, automatic frequency chasing and automatic impedance change. It can further improve the adaptability of the generator for different working conditions stability.

Customized Dual-frequency Ultrasonic Generator Manufacturers and Suppliers

1. Product Introduction

The TD series generator is a dual-frequency ultrasonic generator that has been developed by Clangsonic Company for more than ten years and is positioned in the field of high-end industrial cleaning. A single generator can output two different frequencies. This generator is developed with the new technology and with full-bridge phase shift, constant power output, automatic frequency chasing and automatic impedance change. It can further improve the adaptability of the generator for different working conditions stability.



This generator can be individually connected to a washing tank or integrated to large ultrasonic cleaning system. Either way, it will get fast, uniform and perfect cleaning effect.

2.Product Parameter (Specification)

Model	Frequency	Power
TD1528/45	28&45KHZ	1500W
TD1228/45	28&45KHZ	1200W
TD1028/45	28&45KHZ	1000W
TD0828/45	28&45KHZ	800W
TD1240/80	40&80KHZ	1200W
TD1040/80	40&80KHZ	1000W
TD0840/80	40&80KHZ	800W
TD0880/130	80&130KHZ	800W
TD0840/130	40&130KHZ	800W

No.	Description	Parameters
01	Power Supply	220VAC±10% (50/60HZ)
02	Ultrasonic Frequency	40&80KHZ
03	Ultrasonic Power	1000W
04	Peak Power	2000W
05	Power adjustable	10~100%
06	Full Bridge Phase Shift	Yes
07	Constant Power Control	Yes
08	Automatic Frequency-tracking	Yes
09	Load Self-adaption	Yes
10	Frequency Switching Control	Level: 24VDC±10% Current: 20mA
11	Communication Interface	RS485 (MODBUS RTU)
12	Working Temperature	0~40℃ /0~90%RH
13	Protection Class	IP21
14	Size	412*160*238mm(L*W*H)

3. Product Features and Application

1. IGBT full bridge phase shift technology
2. 10-100% power adjustable linearly
3. Constant power output for different working conditions
4. Auto Frequency Tracking
5. 2 times peak power technology which has better cleaning effect to stubborn stains
6. Frequency sweep function which can effectively eliminate stand wave and improve ultrasonic performance
7. Conversion efficiency up to 95%
8. Industrial level LCD display supporting parameters setting and status monitoring
9. Internal protection for over current, over voltage and short circuit
10. Remote control, connectable to PLC and HMI etc
11. Support RS485 MODBUS RTU communication
12. Can be integrated into 19" standard cabinet



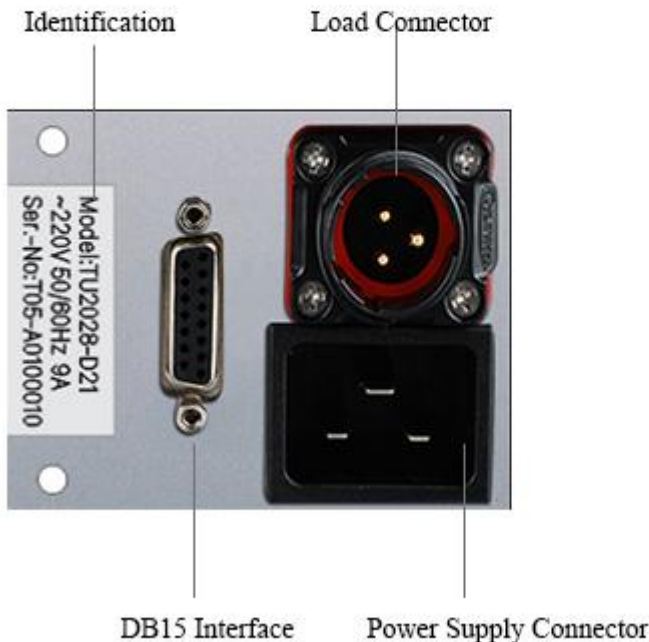
4. Details Images

www.clangsonicultrasonics.com

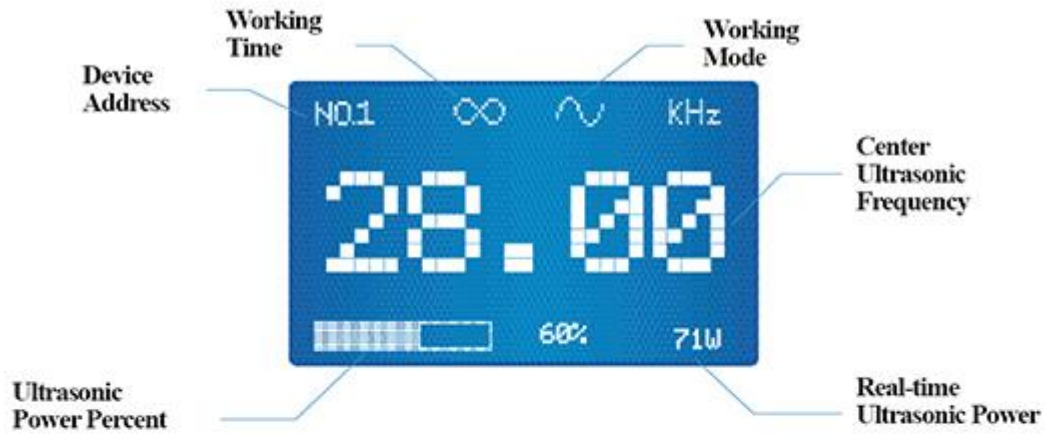
Front Panel



Back Panel



LCD Display



Monitoring Interface

The monitoring interface consists of four panels:

- Top Left Panel:** NO.1 ∞ ∞ KHz, 28.00, 60%, 71W
- Top Right Panel:** Monitor 1/3

1.Voltase(U)	326
2.Current(A)	0.0
3.Phase(^)	702
- Bottom Left Panel:** Monitor 3/3

7.Freq_1	2800
8.Freq_2	2800
9.Version	1201
- Bottom Right Panel:** Monitor 2/3

4.Status	0
5.Temp(^C)	16
6.Run Time(h)	0

5. Company Qualification

clangsonic

Yuhuan Clangsonic Ultrasonic Co., Ltd. is a professional engaged in ultrasonic transducer, ultrasonic shock box, ultrasonic (generator) power and ultrasonic equipment research and application of the manufacturer.

Since 2003 the company since its establishment, unswervingly adhere to the higher quality and better service as our ultimate goal.

Our products are exported to the world more than 40 countries and regions. To provide customers with a full range of ultrasonic products and solutions, so that waves of the company to become a global customer real partners.



The company has an effective construction area of over 6,000 square meters, with imported Tian Tian, Baichao sheet metal bending machine, KUKA robot, as well as the Swedish fuse factory, and CNC sawing machine, CNC lathe, CNC milling machine and other equipment, making the product more reliable.

Visit Factory



Workshop



Exhibition





6. Deliver, Shipping and Serving

TU	
Quantity(PCS)	1
N.W.(KGS)	7.5
G.W.(KGS)	6.5
Dimensions(L×W×H)(mm)	550*260*320





To better ensure the safety of your goods, professional, environmentally friendly, convenient and efficient packaging services will be provided.

CLANGSONIC

Shipping & Payment

Started working again,Started working again,Started working again.



7. FAQ

1. Are you manufacturer or trading company?

We are manufacturer. All the core components (ultrasonic transducer, ultrasonic generator) are home-made by ourselves.

2. Do you accept OEM and ODM?

Yes, we also have profession R&D teams (ultrasonic transducer team, ultrasonic generator team and mechanical design team) to responds your special needs quickly.

3. Delivery time

Standard products can be delivered within 7 working days. Customized machine depend on the design.

4. Warranty

We guarantee quality of the products for a period of 1 year. If any quality problem within warranty, we'll provide free spare parts or repairing service.

5. Do you provide trial cleaning service?

Yes, you're welcome to send the workpieces for trial cleaning. We'll send you video and report about the test. It's free service.

6. Can you provide ultrasonic transducer or generator if any failure?

Yes, ultrasonic transducer and ultrasonic generator are designed and manufactured by ourselves. We can send the right parts quickly for replacement.

7. Payment Methods?

T/T ,L/C, D/P ,D/A, West Union , Paypal, MoneyGram ,Escrow .

8. Which frequency and power is suitable for our workpiece?

Please contact us and provide details as specific as you can. Information includes: the size, material, weight and dirt of your workpiece and cleaning tank dimension etc.