

## 20khz Ultrasonic Generator



20khz ultrasonic generator is the core device that converts electrical energy into mechanical energy (ultrasonic), the piezoelectric ceramic chip is selected from well-known supplier, and can give a strong and stable output. The frequency is mainly 20kHz, we can provide ultrasonic transducer, ultrasonic transducer with booster, ultrasonic transducer with booster and sonotrode separately as your request.

### China 20khz Ultrasonic Generator with High Quality 1.20khz Ultrasonic Generator Introduction

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Our digital T 20khz ultrasonic generator is adopting advanced IGBT Full Bridge Phase Shift technology which features in automatic frequency tracking and constant amplitude output etc which can achieving accurate resonant frequency and energy output. 20khz ultrasonic generator can tune itself to fit to transducer and sonotrode during working.

### 2.20khz Ultrasonic Generator Parameter (Specification)

|                       |  |                      |
|-----------------------|--|----------------------|
| Name                  | Ultrasonic Transducer With Booster And Sonotrode | Ultrasonic Generator |
| Model                 | CW2050-4P8-2                                     | TU2020-Z21           |
| Ultrasonic Frequency  | 20±0.5kHz  | 20±0.5kHz            |
| Peak Ultrasonic Power | 2000Watts  | 2000Watts            |
| Capacitance           | 11000±10%pF                                      | -                    |
| Resistance            | ≤10Ω   | -                    |

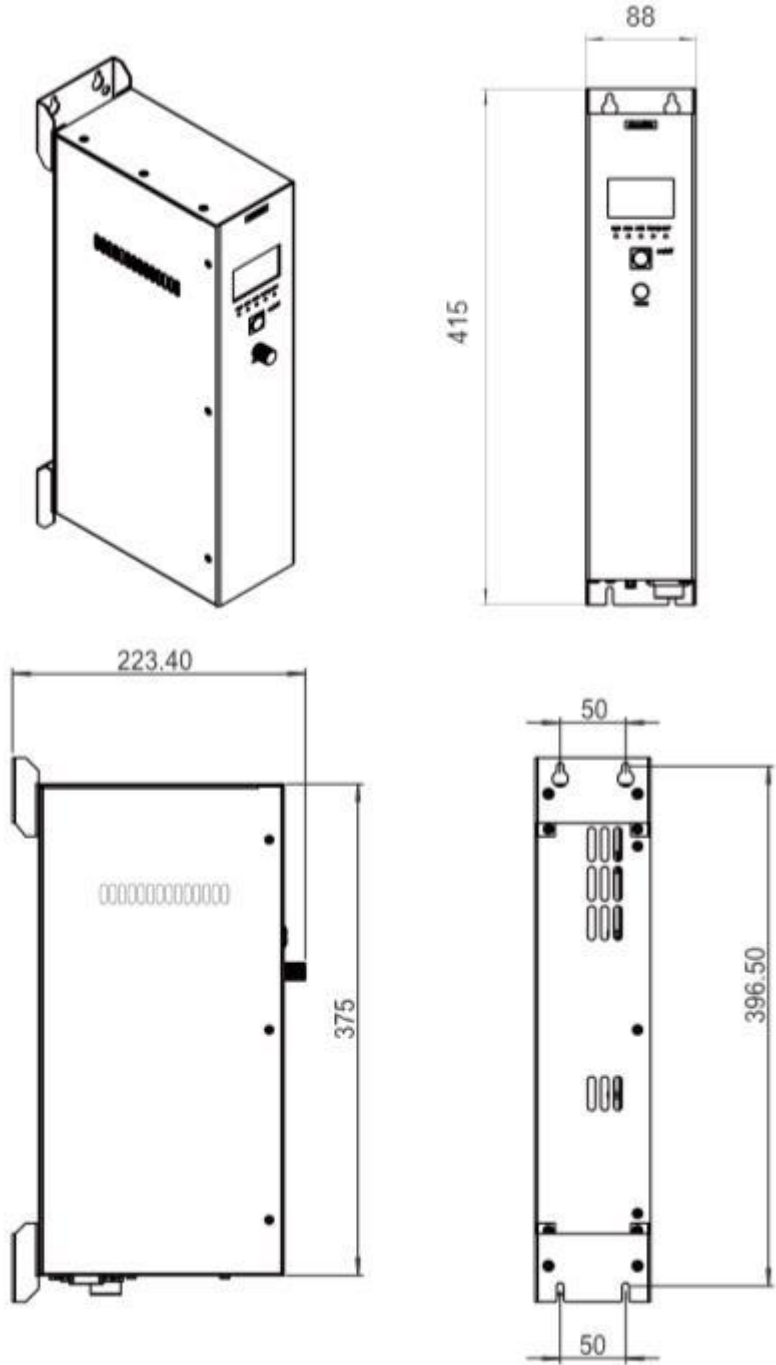
|                            |                  |                        |
|----------------------------|------------------|------------------------|
| Max. Allowable Temperature | 120°C            | 40°C                   |
| Storage Temperature        | -5°C-+40°C       | 0-40°C                 |
| Storage Humidity           | 60±20%RH         | 0-90°C                 |
| Size                       | H 382 x W 110 mm | L 224 x W 88 x H415 mm |
| Working Area               | L 110x W 20mm    | -                      |

### **3. 20khz Ultrasonic Generator Features and Application**

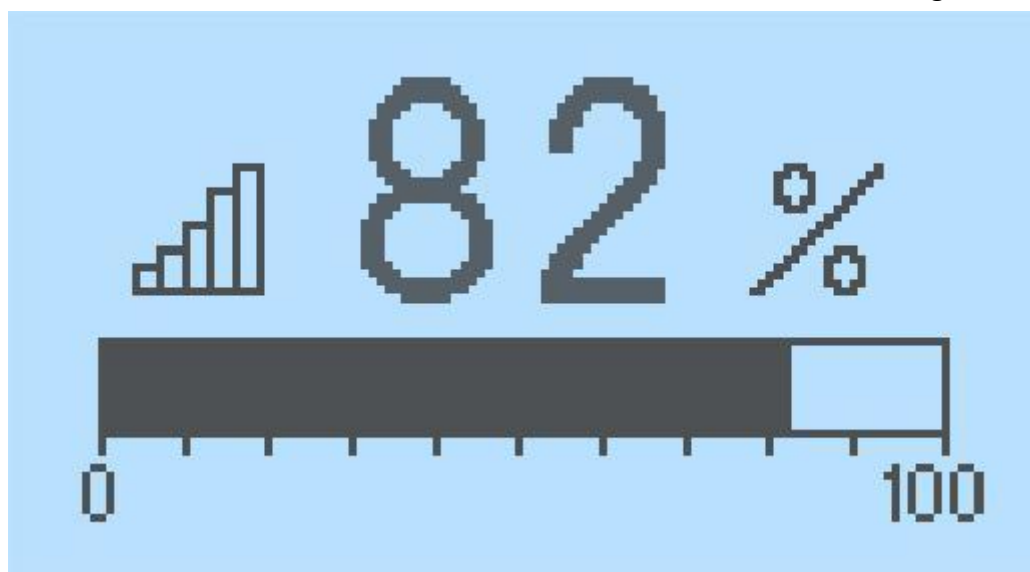
1. Automatic Frequency Tracking
2. Constant Amplitude Output
3. Amplitude 10-100% Adjustable
4. Three Working Modes Choices: External Control/Timing/Energy
5. LCD Display to Monitor Working Status
6. RS485 MODBUS RTU Communication
7. Self-protection, for example Over-Temperature Protection, Over-Current Protection, Over-Voltage Temperature etc

This ultrasonic welding transducers and generator can be used for non-woven bag making machine, paper cup sealing machine, three layers bag making machine, medical cloths making machine, plastic welding machine, plastic bag making machine and mask welding etc.

### **4. Details Images**







| Setting              | ⏪ | 1/6   |
|----------------------|---|-------|
| 1.Amplitude (%)      |   | 82    |
| 2.Center Freq (kHz)  |   | 35.00 |
| 3.Tuning Width (kHz) |   | 0.3   |

| Setting            | ⏪ | 2/6 |
|--------------------|---|-----|
| 4.Welding TM (S)   |   | 3.0 |
| 5.Welding EG (kWS) |   | 1.0 |
| 6.Protect TM (S)   |   | 5.0 |

| Setting        | ⏪ | 3/6 |
|----------------|---|-----|
| 7.Contrast     |   | 27  |
| 8.Welding Mode |   | 3   |
| 9.Reserve      |   | ∞   |

| Setting              | ⏪ | 4/6 |
|----------------------|---|-----|
| 10.Rated Power (kW)  |   | 1.2 |
| 11.Track Step_S (Hz) |   | 21  |
| 12.Track Step_B (Hz) |   | 20  |

| Setting         | ⏪ | 5/6 |
|-----------------|---|-----|
| 13.Reserve      |   | 0   |
| 14.Display Mode |   | 60  |
| 15.Address      |   | 1   |

| Setting      | ⏪ | 6/6 |
|--------------|---|-----|
| 16.MB_HW_CAL |   | →   |
| 17.Parm Lock |   | 🔒   |
| 18.Exit      |   | ↶   |

## 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

Shipment is available by air, ocean and International Express.











Product Ultrasonic Transducer + Ultrasonic Generator (1 Set)

Size/CTN 50x37x29cm

Weight/CTN 15KG



CLANGSONIC

## Shipping & Payment

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



### 7. FAQ

#### (1) Delivery time

Standard products can be delivered within 7 working days. Customized products depend on the design, customized products are based on the order quantity.

#### (2) Payment method

1. T/T
2. L/C
3. D/P
4. D/A
5. West Union
6. Paypal
7. MoneyGram
8. Escrow

### **(3) Warranty**

100% brand new when leaving the factory. The seller guarantee quality of the products (excluding wearing parts) for a period of 2years from the date of trial run finish under our technician's guidance. If any quality problem within warranty, we'll provide free spare parts or repairing service.

Clangsonic provides 18 months warranty from the date of factory under normal use. The manufacturer shall not be responsible for any direct or indirect loss, compensation and repair due to improper use, installation, misuse or abnormal temperature, dust and corrosive atmosphere etc.

Below are not covered by Warranty:

1. Cavitation erosion on ultrasonic tank or surface of submersible transducer, which is a normal phenomenon during ultrasonic cleaning
2. Damage caused by abuse, improper installation, alternation, overload or neglect of precautions during the warranty, the device will be repaired or replaced by professional. Clangsonic reserves all the right.

### **(4) Our Services**

Multiple single frequency and multiple frequency ultrasonic generator are available the model can be used for reference, and the ultrasonic transducer with different power and frequency can be customized according to your specific use or size.

OEM, ODM and Customization

### **(5) Do you accept customization?**

Yes, we have professional R&D teams to respond your special requirements quickly.

### **(6) Can we tune the generator by ourselves?**

We will tune the generator to the optimum resonant status before factory. It's forbidden for user to modify the parameters without Clangsonic's authorization. Unauthorized modifications may damage the devices or result in un-tuning between ultrasonic generator and ultrasonic transducer. And these are also not covered by warranty. Any question please contact us.