

INDUSTRIAL-GRADE ULTRASONIC CLEANING MACHINE

VGT-1030F

USER MANUAL



FEATURES

Industrial Stainless steel housing,
tank and lid, nice looking grade for 24 hours continuous working.

Moisture-proofed PCB

Industrial grade ultrasonic transducer

Thank you for purchasing the VGT ultrasonic cleaner. Please read the instruction before use the machine. If you have any questions about this product, contact your customer service.

The VGT-1036F ultrasonic cleaning machine is one of our develop product. It takes the ultrasonic cleaning medium by the water ,has the strong power, simple clean craft, high effective; Suitable use in the laboratory, the workshop , widely applies in cleaning

each kind of vehicle spare part ,hydraulic pressure groupware, mechanical bearing, fitting, valve, galvanization, hardware polishing and below various professions oil removing, eliminates sacrificially, eliminates dirt, dust, fingerprint:

Hospital:Surgical instrument,endscope tube ,orthopedic implants, hypodermic needles

Electron: Computer spare part, printing, semiconductor, optical lens, electron class products and so on electricity vacuum components magnetic material;

Light industry: Clock and watch components, camera components, glass products, eyeglasses part and so on;

Chemical industry: The chemical reagent vessel, the chemical fiber nozzle, spurt the screw stock, the sealed container and so on;

Craft: Jewelers ornaments, metal accessories, handicraft and so on;

Hardware: Cutting tool measuring instrument, hard alloy tool, emery strainer, stainless steel tableware, each ramming polishing and so on;

SPECIFICATIONS

Model Speciation	VGT-1030
Power	1800W
Frequency	40KHz
Tank size	600 x470x400 (LxWxH) mm
Overall size	730 x540 x450 (LxWxH) mm
Packing size	920 x660 x790 (LxWxH) mm
Transducer No.	30 pcs
Heating Power	4000W
Power supply	380VAC

Operation Manual

Note: Connect the power line as the indicator diagram.

1, Put the water into tank until the right position, (then add the suitable detergent according to the clean dirt nature,if needed).

2, Set temperature for different cleaning items.

3, Press “on” Button on the Generator, after powering on, the indicator light will turn on.

4,During working, you will hear the “ sizzling” voice ,that means the cleaner running properly.

STOP ULTRASONIC & HEATING PROCESS:

1. Press “OFF” button to “OFF”, the cleaner will stops working, indicator light turn off.

2. Empty the tank and clean both the outside and inside of the cleaner with clean and dry cloth

for next use.

Attentions

During the cleaning process, if do not according to the prescribe ,but lays aside the machine in moist or under the caustic gas and dust environment .That will easy to cause the transducer , the circuitry and the other malfunctions, so that affects the normal production arrangement and the plan.



The high Q piezoelectric chip and the electric heating component will creepage, short circuit, fall off, breakdowns and the chip dehiscence under the moist ,the steam, the electric conduction dust, the greasy dirt pollution and the external force hit fiercely, And the ultrasonic circuit board will be in a large fluctuation supply voltage, and then cause the primary device flame, the primary device foot to corrode, the power amplifier component to penetrate, breakdowns and burning. Therefore, so pay attention in the use process:

(1) The machine is not intended for use by person(including children) with reduced physical,sensory or mental capabilities,or lack of experience and knowledge,unless they they have been given supervision or instructions concerning use of the machine by a person responsible for their safety.

(2) Forbids turning on the heater and the supersonic source without liquid in the tank, In order to avoid damages the hot plate and the transducer;

(3) Prevents the hard object impact and the intense vibration, Do not put the work piece on the bottom directly

(4) During the cleaning process do not to cause the cleaning liquid overflow .Forbids to strip the bazelpanel with water for transducer and circuit are waterproof .Avoid to cause the malfunction, endangers the production safety;

(5) Do not put the machine in moistly and unventilated, It's easy to cause explosive .

(6) If the supply voltage change surpasses the equipment permission scope, should suspend the use (Better to match an manostat);

(7)If find that the supersonic effect becomes weak suddenly, It is possibly the supersonic circuit board breaks down, After repair it ,you can use it again.

(8)Different clean medium has different cavitations active temperature, Selects the actual craft, It's better to chooses the clean temperature and the time to improve clean effect

Maintenance

7-1 / cleaning dirt and other accrete things regularly; keep the machine dry and cleaning.

7-2 / sweeping the ground to keep the machines surrounding good to drain

7-3 / Periodic inspect machine , transducer insulation resistance values (normal $\geq 5 M \Omega$ above). when the insulation value is too low, consideration should be given to avoid adverse environmental factors, and to take measures for dry;

7-4 / Keep the environment good ventilation, avoid water vapour, dust after ultrasonic generator;

7-5 / Maintenance this machine by professional person, avoid who operated in violation of regulations.

Countermeasures

8-1 /There is no ultrasonic wave:

8-1-1 / check the power supply voltage;

8-1-2 / Thread ends and switch whether loose

8-1-3 /Whether the insurance was burned;

8-1-4 /Whether power is damaged.

8-2 / ultrasonic weak:

8-2-1/ whether transducers are affected with damp (inspire board to enter water);

8-2-2/Generator power normal or not.

8-2-3/Voltage whether to be low

8-2-4/craft temperatures, cleansing agent to be whether appropriate.

8-3/leakage: (pull out the high frequency plug, distinguish the problem comes from fuselage or generator, inspect insulation situation)

8-3-1/Power source line whether to be affected with damp, does the supply voltage whether regularity fluctuate largely;

8-3-2/Machine whether to be affected with damp, is corroded; whether

8-3-4/ Hot plates well or burn and puncture

. 8-3-5/Earthing whether good;

8-4/ If the customer can not resolve malfunctions, please send it back to company.