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# GINOVA P6

## COMPACT EQUIPMENT FOR PRECISION ULTRASONIC CLEANING HOT AIR DRYER



Control and monitoring of the machine  
by **microcomputer control system**  
with **6.4"** color touchscreen

### CU3000 CONTROL SYSTEM

- Easy editing of cleaning cycles
- Up to 100 cycles
- Cycle library
- Process visualization
- Error and status logger
- Process data for statistic, history and quality assurance available



21 CFR part 11

### CLEANING WITH FLUIDS

When working with aqueous solutions this equipment may be used over the entire working temperature range and with all type of ultrasonic baths.

However, when working with solvents it must be considered that this equipment is NOT explosion-proof (Atex). Therefore appropriate safety measures for working with such liquids must be set in place: the working temperature must always remain below the flashpoint of the solvent; for solvents with flashpoint below 40°C the working temperature must remain at room temperature.

### **FOR ALL TYPE OF APPLICATIONS**

- **Watch industry**
- **Medical devices**
- **Aerospace**
- **Electronics**
- **Micromechanics**

### CLEANING SEQUENCE

- Bath n° 1 : Ultrasonic cleaning
- Bath n° 2 : Ultrasonic cleaning (option) or rinsing
- Bath n° 3 : Ultrasonic cleaning (option) or rinsing
- Bath n° 4 : Ultrasonic cleaning (option) or rinsing
- Bath n° 5 : Rinsing
- Bath n° 6 : Hot air drying with filtered air (F7 or HEPA13)

### General description

- Number of baths: 5
- Basket drive: adjustable rotation cw / ccw  
adjustable vertical excitation  
spin-drying
- Adjustable speed: 80 à 3000 rpm  
adjustable by the operator
- PZT: 1 per bath, various frequencies
- Frequencies: 25, 30, 40, 80, 120 kHz or  
multi-frequency (40/80/120kHz)
- US power: 50 watts (adjustable 50..100%)
- US generator: 1 at a time depending on selected frequency  
up to 3 generators can be installed
- US bath station: 1 standard, +3 optional, max. 4
- Bath heater: up to 75°C, programmable
- Hot air dryer: up to 145°C, programmable  
adjustable air flow 20 - 100%, with monitoring
- Bath covers: sealed (patented)
- Sliding door with safety lock

### Technical data

- Control and monitoring by CU3000 with touchscreen  
graphical user interface  
menu-guided control  
5 access levels
- **Monitoring of fluid levels**
- Max. payload: 200 g
- Electrical supply: 230V N + PE / 50Hz / 2,3 kVA
- Dimensions (W x D x H) approx.: **950 x 950 x 1200 mm**
- Weight approx.: 130 kg
- Bath capacity approx.: **2 l**
- Ventilation air flow: 70 m<sup>3</sup>/h

### Options

- Printer
- Barcode reader
- RFID
- IR-Key
- Cooling system for baths
- Rinse baths with heating or cooling system
- **Supervisory Control And Data Acquisition (SCADA)**

### Baskets with standard dimensions

- Fixation of the baskets uses a bayonet joint
- Fixation allows to use baskets with Ø100 mm or Ø80 mm
- Maximum height 40 mm
- Top basket is closed by a spring cover

