



FUTURETECH
Solutions for health

EQUOUS

Low temperature
plasma
sterilizers

Clinical and laboratory
diagnostics equipment



PRODUCT LINE

From 30 up to 150 litres

R&D BASED TECHNOLOGY

Own designed and tested unique technological process

MADE IN RUSSIA

Production site located in Moscow

STERILIZATION OF THERMOLABLE INSTRUMENTS



Endo-, bronchus-,
laryngoscopes



Ultrasound
sensors, electrodes



Surgical
Instruments



Other medical
products



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TECHNICAL SPECIFICATIONS

Chamber volume	30, 100, 150 litres
Full sterilization cycle	40 min
Loading type	Frontal (automatic sliding door)
Chamber temperature	50 ± 5 °C
Control	Touch LCD 10.1"
Warming up of the tool	Available
Operational environment	18°C to 45°C / 10% to 85%
Power	220V/50Hz
Warranty	1 year



Equous 30 L

Chamber parameters:
- volume 30 litres
- size 157x 600 x 320 mm

KEY ADVANTAGES



Unique technology

Own R&D based tested process and components



Combined materials treatment

PVC, PTFE, metall, ceramics and more



Fully automated

Automatic sliding vacuum door with anti-finger trap security system



Personnel and environment safe

H₂O₂ plasma decomposes processing products into water and oxygen

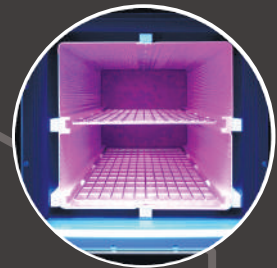
ABOUT PRODUCT

EQUOUS is a cost-effective and easy solution for low temperature sterilization of heat & moisture sensitive equipment. The equipment is highly automated and provides sterilization process with just one click. We care about nature and people. Unlike highly toxic gas sterilization waste, EQUOUS plasma sterilization waste are oxygen and water vapor.

MARKET PROSPECTS

Plasma is the most advanced sterilization method that is widely used in large hospitals and clinics all over the world. The physical principles laid down in the sterilization process make possible to scale and integrate EQUOUS into various industrial and domestic facilities (medical use, services, everyday appliances, biotechnology, microelectronics, food packaging, automotive industry and other).

To date, plasma sterilization is the only cost-effective method of sterilizing medical devices for materials that are sensitive to the high temperature and moisture.



EQUOUS provides unique opportunities for multiple sterilization of precision products, systems containing high-quality optics, electronics, as well as products with special coatings or paints.

According to research by the Research Institute of Disinfectology of Rospotrebnadzor (Russia), as well as the Institute of Medical Microbiology and Hygiene (Heidelberg University, Germany), plasma sterilization technology allows sterilization of minimally invasive surgery instruments, including endoscopes, which opens up the prospect of 100% sterilization of instruments used in maternity surgery, operational departments, urology and other medical units.



OUR ADVANTAGES

We use more than 10 years of R&D experience in the microelectronic industry and creating products that are successfully sold on the world market (NanoFab 100 nanocluster semiconductor system and Solver Next AFM microscope).

Key features of the EQUOUS:

- proprietary sterilization technology (R&D created RF plasma generator and a sterilization process allow you to process tools with a guaranteed level of sterility);
- unique technical solutions (mixture feeding system, catalyst, and other innovative components)
- energy efficiency of EQUOUS is more than an order of magnitude higher compared to existing analogues;
- simplicity of the design and proprietary sterilization technology allow to use both in stationary and field purposes;
- the ability to sterilize products made of various materials: metal, woven and knitted materials, devices from thermolabile polymers, such as catheters, optical fibers and more other;
- universal sterilizer for most types of medical devices;
- ability to integrate device and technology to various industrial and domestic facilities.

Using a flexible manufacturing policy, we create a solution acceptable to the market with the ability to localize production in the relevant region.



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Health technology of the future

CONTACT US

Ftech company

<http://fttech.site/>

E-mail: fttech-info@mail.ru

Tel: +07 (915) 265-20-58

Address:

St. Yunosti, bld. 8, office 902

Zelenograd, Moscow, 124482

Russia