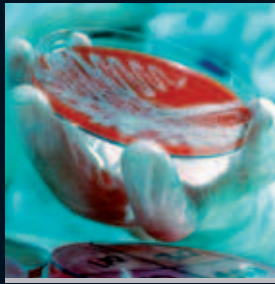


enbio
TECHNOLOGY

**NUTRIENT MEDIUM DISPENSING
AND PACKING MACHINE**



THE POWER OF INNOVATION



COMPANY

Drawing knowledge from our many years experience we offer:

- Devices distinguished by modern technology,
- Top quality of sub-assemblies,
- Solid and ergonomic workmanship that perfectly translates into streamlining production costs,
- Long-term and reliable operation as well as economy of space.

Our folder includes detailed information concerning the Nutrient Medium Dispensing and Packing Machine which together with the Compact Flow Sterilizer EnbioJet **creates a complete production line** for sterilization and pouring nutrient medium into plastic cups.

DEVICES

The Nutrient Medium Dispensing and Packing Machine is a device used for pouring nutrient medium into sterile plastic cups.

Our device can be operated by 2 people who after a short training are not only able to operate the Nutrient Medium Dispensing and Packing Machine but the entire production line as well.

The complete automation of the process enables elimination of human mistakes which results in increased profitability on one hand and reduced time of the production process with improved flexibility and work comfort on the other.

The whole production line achieves high efficiency of work at the level of 210 l/h with parallel to maintaining the repeatability of the set parameters.

MAIN CONSTRUCTIONAL FEATURES

- Pneumatic drive,
- Four-section rotary table,
- Buffer tank that enables smooth operation and makes it partly independent from the remaining production process,
- Steering with the use of the PLC controller,
- Surface sterilization of plastic packages with the use of UV radiation.

ADVANTAGES

- Full automation of the nutrient medium packing process (taking sterile cups, dispensing precise and repeatable amount of nutrient medium, closing cups with sterile lids),
- Easy parameters control and setting,
- Construction that enables keeping the device clean,
- Clear and intuitive interface,
- Compact devices with dimensions 1422x950x770mm,
- Possible adaptation to various types of plastic cups depending on the needs.



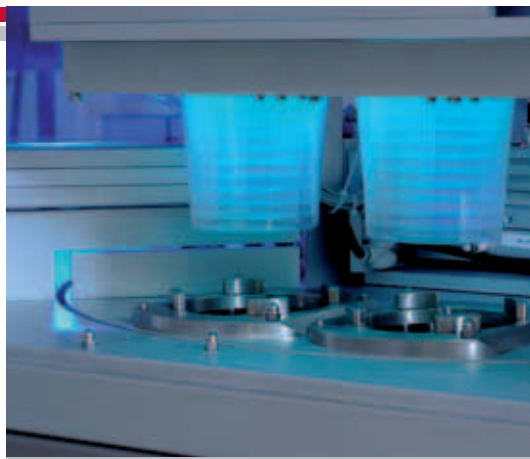
THE WORKING SECTION IS DIVIDED INTO FOUR STATIONS

The Compact Flow Sterilizer EnbioJet together with the Nutrient Medium Dispensing and Packing Machine form a fully automated line that can cooperate with the module collecting closed cups from the feed mechanism.

The device sterilizes flowing nutrient medium with the application of microwave energy that provides the user with an opportunity for practically unlimited production of top quality nutrient medium in incommensurably shorter time in comparison with tradition production taking place in autoclaves.

Due to shorter exposure to high temperature its contents are decomposed to a minimum extent only.

For example, the application of agar, in the case of sterilization, is reduced by as much as 25%.



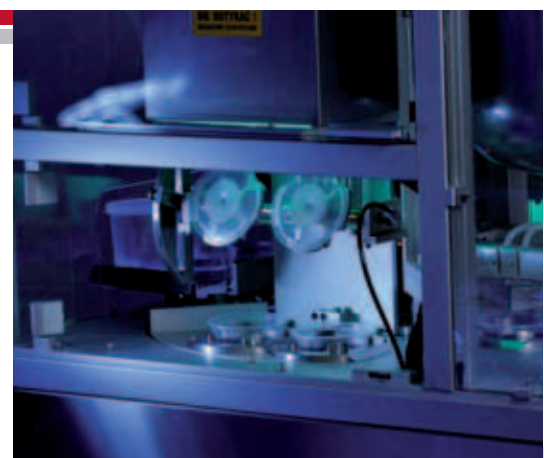
station 1
taking sterile cups from the dispenser and placing them in sockets



station 2
dispensing nutrient medium from a Teflon container directly to cups



station 4
forcing closed cups out and pushing them into the area outside the dispenser



station 3
taking sterile lids and closing cups

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WE GUARANTEE

PROFESSIONAL SERVICE

Establishing top standards we provide thorough service assistance starting from the dispensing line start-up through single interventions in emergency situations to warranty and post-warranty assistance.

Our technical assistance service is ready to provide everybody with all indispensable support.

TRAININGS

In order to ensure top quality production we offer our professional knowledge and experience. Trainings include the technology of devices or precise line operating manuals. We are always eager to share our comments and advice on optimum exploitation of devices as well as savings that can be generated as a result of appropriate operation of a complete line.



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