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The invention relates to medical equipment, namely to a device for the manufacture of threads from biological materials, which can be used in inoculation therapy, tissue engineering, regenerative medicine and surgery.
Summary of the invention consists in that the device comprises a rectangular body (11), to one end of which are welded two U-shaped supports (9 and 10), and to the opposite end is welded a U-shaped support (12). On two opposite supports (10 and 12) is fixed a linear rail (8), on which is mounted a transport block (7), made with the possibility of sliding along the rail (8), and on the transport block (7) with the help of a metal plate and four screws is fixed a step motor (6). On the third support (9) with the help of a metal plate and four screws is fixed another step motor (1). To the axes of the motors (1 and 6) with the help of screws is fixed one support (2 and 5), to which is fixed one clamp (3 and 4) to fix the biological material. Inside the body (11) is placed an electronic module, which includes a 12V power supply, which is connected to the power source using a switch and a connecting cable. Also, the module includes two voltage regulators, two modules for connecting the drivers of the step motors (1 and 6), a control board with a microcontroller, which is equipped with a USB connector.

Claims: 1
Fig.: 6