Chair

It is the most important element of the device, as it has direct contact with the patient and determines their comfort during the examination. The examiner has full control over the patient's chair, both at the time of the examination, when there is a table top between the doctor and the patient, as well as when the table top is in the resting position, when performing ophthalmic / retinoscopy or visual acuity test.

Chair controls are located on the main control panel and on the rear of the chair.

Main control panel

The main control panel is located on the enclosure of the unit’s drawer. It contains all the buttons necessary to control the chair, turn on/off additional devices, such as a projector, autorefractometer, lighting with a lamp with a white LED, etc. The method of operation is described in section 3.5 of the manual.

Column

The column that is mounted on the main body of the unit and rises above the whole device.

The column serves as a mast of a reading lamp, a support for an ophthalmic projector mounted in a special holder on its top and as an element for mounting handles for additional equipment of the unit. On the aluminium column, in special grooves, a phoropter mounting arm holder, a holder for the ophthalmoscope / siscope set, etc., may be installed.

Inside the column there is a power supply cable with a computer plug, used to power the ophthotype projector mounted on its top.

Main body

Mounting points for both the column and the double table top are set on the main body. The main body has one more very important function: it contains all the electrical components and wiring harnesses. Only MDT service or authorized personnel are allowed to access them.

(Reading) lamp with white LEDs

The reading lamp, mounted on the aluminium column, is a lighting element for the unit. It has three LED points (cold white, 6000K) and can be run from the main control panel as needed for the operator. In ophthalmic diagnostics, it is used to highlight a card with a special test text during a patient's examination.

The lamp is mounted on the column in a way that allows its rotation in the horizontal plane, to a strictly limited extent.

The lamp can be operated from the main control panel as needed for the operator, and the brightness is regulated electronically.