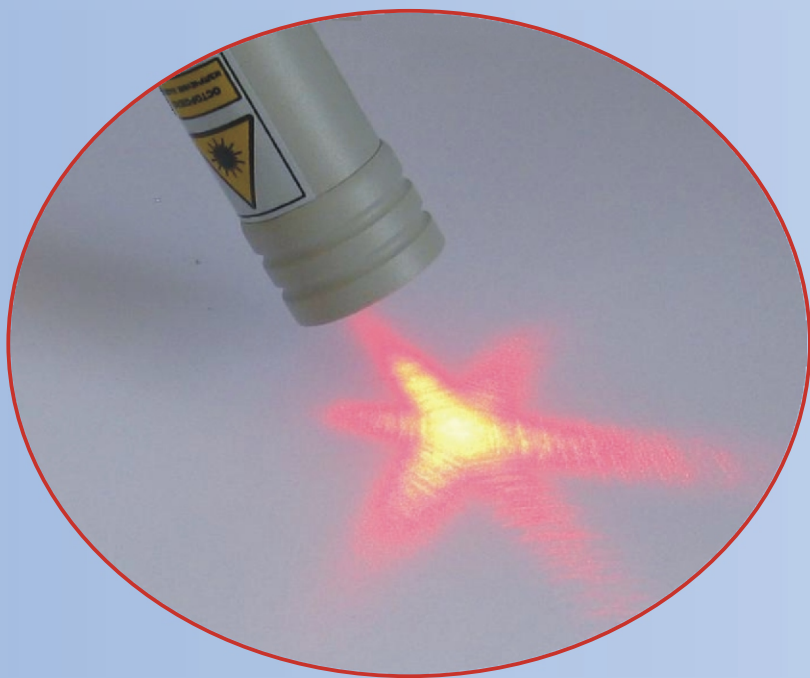


LASER GROUP



LOW-INTENSITY LASER THERAPY



2021

LASER GROUP RUSSIA

www.mustangmed.ru www.mtclazer.com www.excos.ru

Laser Group

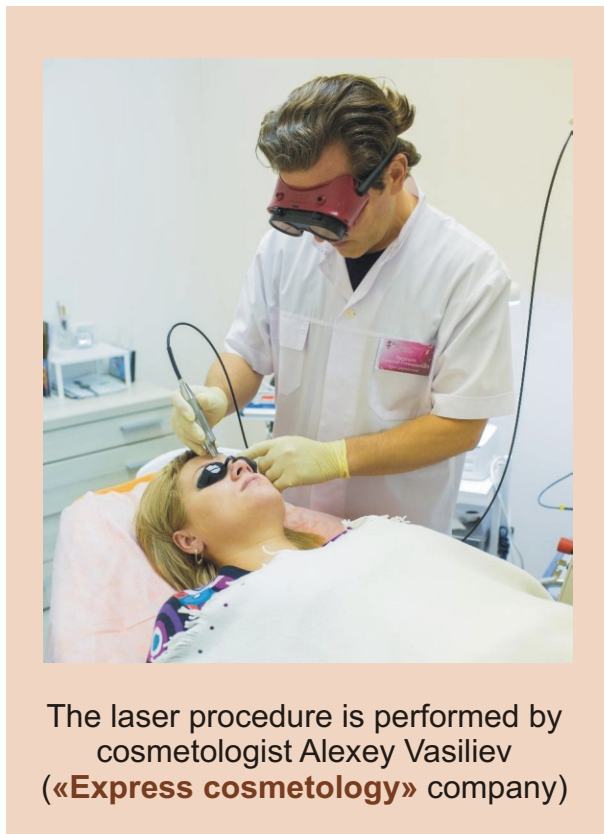
Laser Group - an Alliance of Russian companies that represent only the best laser and physiotherapy equipment for use in medicine and cosmetology.

Alliance companies have been promoting medical equipment for many years, organizing training seminars and conferences, providing advice and assistance in selecting equipment, performing maintenance, and have a well-deserved reputation as reliable partners.

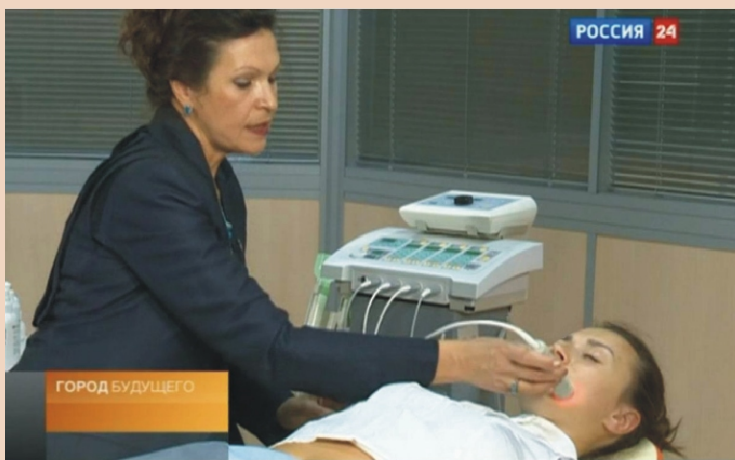
In medical and cosmetology centers that are members of the Alliance and cooperate with it, laser exposure parameters are optimized to achieve maximum efficiency of procedures and new hardware technologies are developed.

The devices for medicine and cosmetology of the **«Mustang-2000»** series presented in this catalog, which are produced by **Research and Production Laser Center «Technika»**, have a well-deserved high reputation among Russian and foreign doctors and cosmetologists for effective, convenient and reliable equipment with an excellent quality/price ratio.

More than twenty thousand **«Mustang-2000»** devices are used in medical and cosmetology centers in Russia and many other countries, from rural medical centers to the most reputable clinics, such as the Central Clinical hospital of the Presidential administration of the Russian Federation, medical centers of the Government, the State Duma, and many others.



The laser procedure is performed by cosmetologist Alexey Vasiliev (**«Express cosmetology»** company)

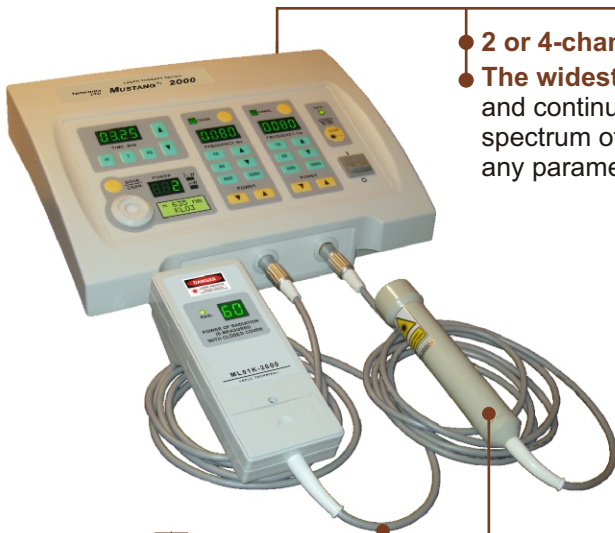


Doctor of the highest category of the Central clinical hospital of the Russian Academy of Sciences, doctor of medicine Tatyana Kovaleva on the air of the program **«City of the future. Lasers»** of the Federal TV channel **«Russia 24»**. **Laser biorevitalization** procedure using the **«Mustang-2000»** device.

Laser therapy

Laser therapy devices of the «Mustang-2000» series

The «Mustang» series of laser therapy devices (LTD) is well known to doctors. Over the years, several models of this brand have been replaced, and always the appearance of the next model opened up new opportunities for laser therapy procedures.



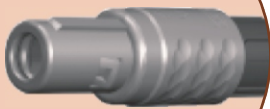
- **2 or 4-channel** devices with independent parameter setting
- **The widest selection** of laser and photochromic emitting probes pulse and continuous mode in the range from infrared up to the ultraviolet spectrum of exposure provides almost any method of exposure with any parameters, used in laser therapy

- **Digital control** of radiation parameters for all types of probes in the entire spectral range:
wavelength, power, exposure dose
- Automatic detection of the type of probes connected to the device
- **High reliability and easy operation**

- **Probes** in cases made of durable aluminum alloy with a polymer coating, which ensures high reliability and long service life

- **SUPERTRONIC extra flexible cable** from the leading manufacturer HELUKABEL® is resistant to multiple bends

«NEXT»
connector



- **New «NEXT» connectors** provide a high level of comfort usage and reliability:
 - designed in Switzerland for use in medical devices
 - special guide eliminates incorrect connection
 - latches prevent accidental pulling of the connector by the cable
 - gold-plated contacts guarantee reliable multiple switching



«MUSTANG-2000» 2-channel



«MUSTANG-2000» 4-channel

Do not confuse the «Mustang-2000» with other devices that look similar to them

STOP

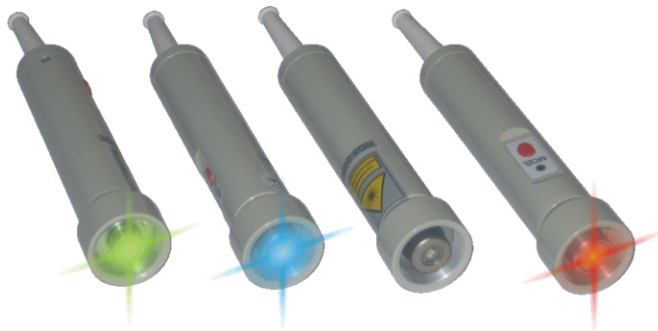
Laser therapy

Laser therapy devices of the «Mustang-2000» series

Probes

The variety of therapeutic methods requires the use of **lasers** and **light-emitting diodes** with different radiation parameters. For these purposes, various **radiating probes** are used, which contain one or more lasers and LEDs and an electronic device for interfacing control signals from the base unit with the laser. Radiating probes for ALT «Mustang-2000» provide the entire range of wavelengths and exposure powers used in laser therapy, which allows you to implement all existing methods and develop new therapeutic protocols.

Universal probes (with a single point emitter)



Universal probes have a single emitter and are classified according to the type of radiation source (laser or led), radiation mode (pulsed, continuous, modulated), wavelength and maximum power. They can be used both independently and together with various attachments (mirror, magnetic, optical).

Type	Optical range	Wavelength, μm	Radiation mode	Power
Universal laser probes				
LO1-2000	Infrared	0,89-0,91	Pulsed	5 W
LO2-2000	Infrared	0,89-0,91	Pulsed	9 W
LO3-2000	Infrared	0,89-0,91	Pulsed	15 W
LO4-2000	Infrared	0,89-0,91	Pulsed	20 W
LO7-2000	Infrared	0,81	Pulsed	80 W
LO7M-2000	Infrared	0,81	Pulsed	350 W
LOK2-2000	Red	0,63	Pulsed	5 W
KLO1-2000	Red	0,65	Contin./modul.	5 mW
KLO2-2000	Red	0,65	Contin./modul.	30 mW
KLO3-2000	Red	0,63	Contin./modul.	10 mW
KLO4-2000	Red	0,63	Contin./modul.	30 mW
KLO5-2000	Infrared	0,81-0,85	Contin./modul.	40 mW
KLO6-2000	Infrared	0,81	Contin./modul.	200 mW
KLO6M-2000	Infrared	0,81	Contin./modul.	400 mW
KLO7-2000	Infrared	1,3	Contin./modul.	5 mW
KLO8-2000	Infrared	0,78	Contin./modul.	100 mW
KLO9-2000	Green	0,52-0,53	Contin./modul.	10-50 mW
KLO-450	Blue	0,45	Contin./modul.	10-400 mW
KLO-405	UV/Violet	0,405	Contin./modul.	50-200 mW
Photochromic (light-emitting diode) universal probes				
SO3-2000	Red	0,63	Contin./modul.	100 mW
SO4-2000	Yellow-orange	0,59	Contin./modul.	30 mW
SO5-2000	Green	0,53	Contin./modul.	100 mW
SO6-2000	Blue	0,45-0,47	Contin./modul.	250 mW
SO7-2000	UV/Violet	0,405	Contin./modul.	250 mW

Laser therapy

Laser probes for surface treatment



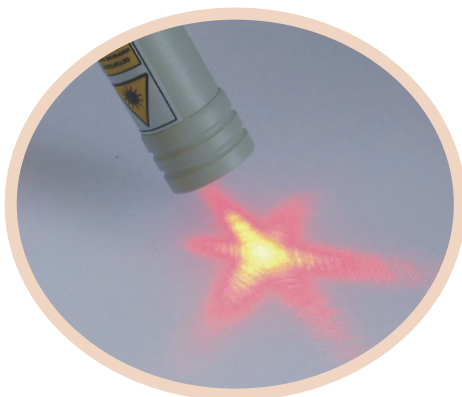
NEW!

TKLO and **TBLO** - probes for surface impact of increased efficiency

TKLO - probes with several lasers of the same type.

- A large area of impact compared to heads with a single laser.
- Higher impact power, unattainable for heads with a single laser for some wavelengths.
- Lower price compared to heads with a single laser with equal impact power.

Laser probes TKLO				
Type	Optical range	Wavelength, μm	Radiation mode	Power
TKLO-630-30	Red	0,63	Continuous	30 mW
TKLO-630-200	Red	0,63	Continuous	200 mW
TKLO-660-200	Red	0,66	Continuous	200 mW
TKLO-785-200	Infrared	0,78	Continuous	200 mW
TKLO-450-100	Blue	0,45	Continuous	100 mW
TKLO-405-200	UV/Violet	0,405	Continuous	200 mW
TKLO-405-400	UV/Violet	0,405	Continuous	400 mW



TBLO - combined two-type laser probes that combine several continuous and pulsed mode lasers. In addition to all the advantages of TKLO probes, pulsed infrared lasers additionally affect deeper tissues, in some cases qualitatively increasing the effectiveness of therapeutic procedures.

The **«Beauty Skin»** probe, designed for laser phoresis of medicinal substances, is widely used in cosmetology for laser biorevitalization, provides a longer effect from the course of procedures, compared to exposure only to continuous lasers.

TBLO-630/890P probes are effectively used for the treatment of wounds, burns, ulcers, etc.

Combined two-type laser probes TBLO						
Type	Continuous mode lasers			Pulsed mode lasers		
	Optical range	Wavelength, μm	Power	Optical range	Wavelength, μm	Power
TBLO-635/890P-30	Red	0,63	30 mW	Infrared	0,89-0,91	15-20 W
TBLO-635/890P-200	Red	0,63	200 mW	Infrared	0,89-0,91	15-20 W
TBLO-785/890P «Beauty Skin»	Infrared	0,78	200 mW	Infrared	0,89-0,91	15-20 W
TBLO-405/890P	UV/Violet	0,405	200 mW	Infrared	0,89-0,91	15-20 W

The TKLO and TBLO heads are used together with the NKN-1 nozzle according to the contact method



IMPORTANT! The probes of **LO**, **KLO**, **SO**, **TKLO**, and **TBLO** made in metal cases made of aluminum alloy. They are resistant to mechanical loads during operation and **do not break!**

Laser therapy

Matrix and combined probes



MLO1K-2000 Matrix probe

- Matrix of pulsed infrared lasers (wavelength 0,89-0,91 μm)
- Pulse power of at least 50 W (tip 80 W)
- The working surface area of 12 sq cm
- Built-in digital power meter
- Automatic monitoring of correct operation
- Possibility of using in conjunction with a magnetic nozzle

MLS1-2000 "Effect" Combined matrixlaser-photochromic probe

High efficiency of application is provided by an optimal choice of parameters of pulsed laser (IR and red range) and LED (IR, green and blue range). The possibility of both simultaneous and separate operation of groups of emitters is provided

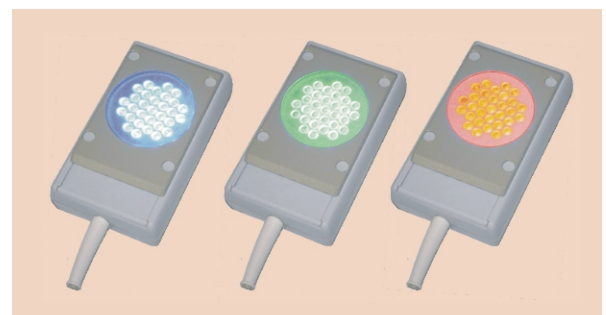


LO-2000 Combined laser-LED probe

A combination of an infrared laser of pulsed operation mode (0.89-0,91 μm / 10 W) and LEDs of continuous or modulated operation mode (0.63 μm / 20-40 mW)

Matrix photochromic probes

Type	Color	Wavelength	Power
MSO3M-2000	Red	0,63 μm	150 mW
MSO4M-2000	Yellow-orange	0,59 μm	75 mW
MSO5M-2000	Green	0,53 μm	150 mW
MSO6M-2000	Blue	0,45-0,47 μm	200 mW

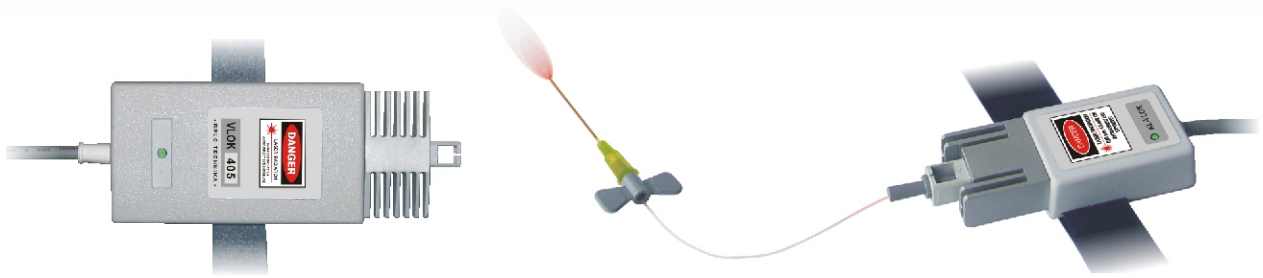


LSO-TED «ANDRO» Combined laser probe for the treatment of erectile dysfunction

Used in conjunction with the apparatus vacuum massage "Mustang-Vacuum-Dynavac". The head has 6 infrared pulse lasers with a wavelength of 0.89-0,91 microns and a total power of 80-90 watts. The lasers are positioned in such a way as to provide the most effective effect on the patient's cavernous bodies. The maximum power of red LEDs with a wavelength of 0.63 microns is 150 mW «**Mustang-Vacuum-DinaVac**».

Laser therapy

Probes for intravascular blood irradiation



The probes are designed for intravascular laser irradiation of blood using sterile disposable light guides KIVL-02. The probes have different wavelengths in the spectral range from ultraviolet to infrared

Type	Optical range	Wavelength	Power	Type	Optical range	Wavelength	Power
Laser probes for intravascular blood irradiation							
VLOK	Red	0,63 μm	2 mW	VLOK-M5	Red	0,63 μm	5 mW
VLOK-M10	Red	0,63 μm	10 mW	VLOK-M20	Red	0,63 μm	20 mW
VLOK-532	Green	0,52-0,53 μm	3 mW	VLOK-450	Blue	0,44-0,46 μm	3 mW
VLOK-405	UV/Violet	0,405 μm	3 mW	VLOK-808	IR	0,80-0,81 μm	35 mW
LED's probes for intravascular blood irradiation							
VLOK-SD-532	Green	0,53 μm	1,5 mW	VLOK-SD-405	UV/Violet	0,405 μm	1,5 mW
VLOK-SD-450	Blue	0,45 μm	1,5 mW	VLOK-SD-365	UV	0,365 μm	1,5 mW

Sterile disposable light guides with needle «KIVL-02»



- Individual packaging, consistently high quality
- Needles with special laser sharpening and silicone coating ensure the procedure is painless
- Sterility guarantee 2 years

Laser therapy

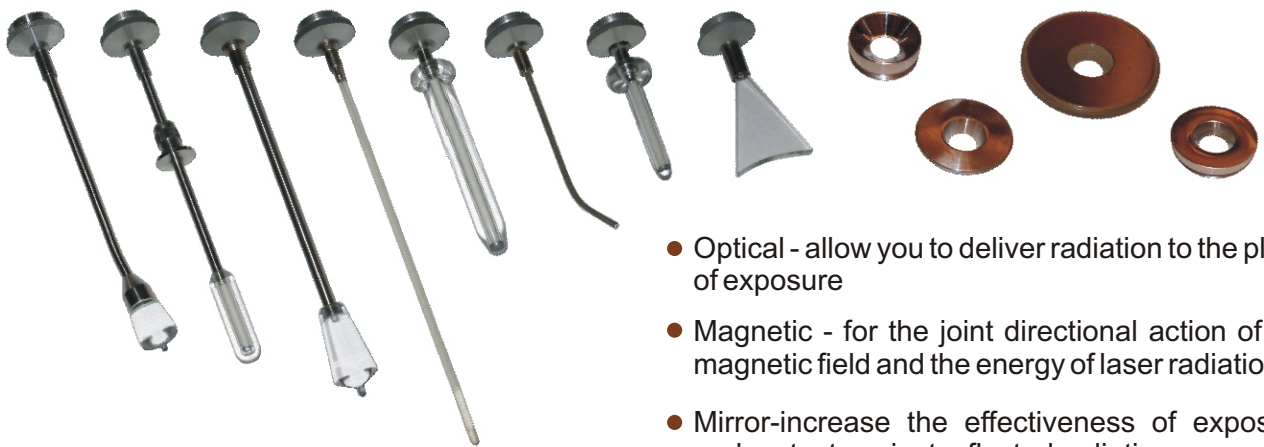
BIO-control unit «Mustang 2000-BIO»



The BIO-control unit «**Mustang 2000-BIO**» is designed to synchronize the amplitude-time parameters of laser exposure with the patient's biorhythms.

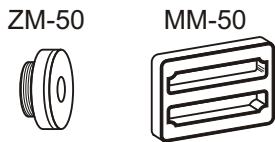
In the BIO-control mode, the amplitude of the laser action is modulated in accordance with the pulse and respiration signals, which are taken from the patient using special sensors.

Optical, magnetic, mirror attachments/nozzles

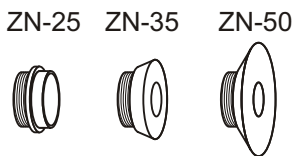


- Optical - allow you to deliver radiation to the place of exposure
- Magnetic - for the joint directional action of the magnetic field and the energy of laser radiation
- Mirror-increase the effectiveness of exposure and protect against reflected radiation.

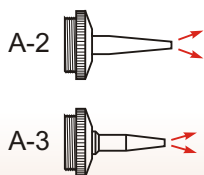
Magnetic nozzles



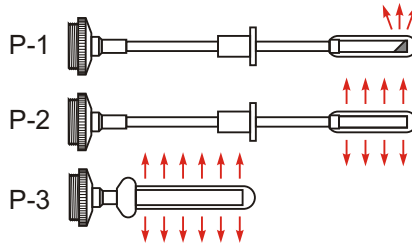
Mirror nozzles



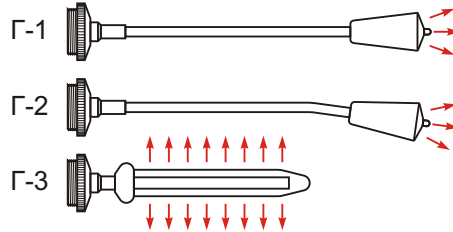
Acupuncture nozzles



Urological/proctological nozzles



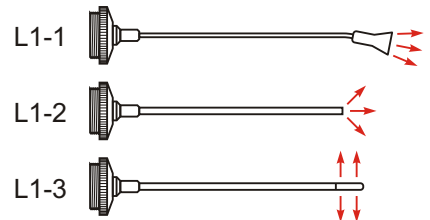
Gynecological nozzles



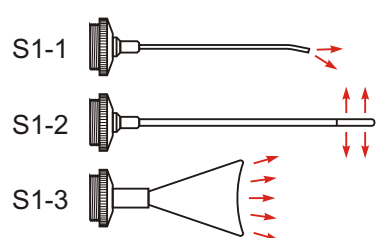
Urethral nozzle



ENT-nozzles



Dental nozzles



Laser therapy

Portable device of magneto-laser therapy «Muravey»



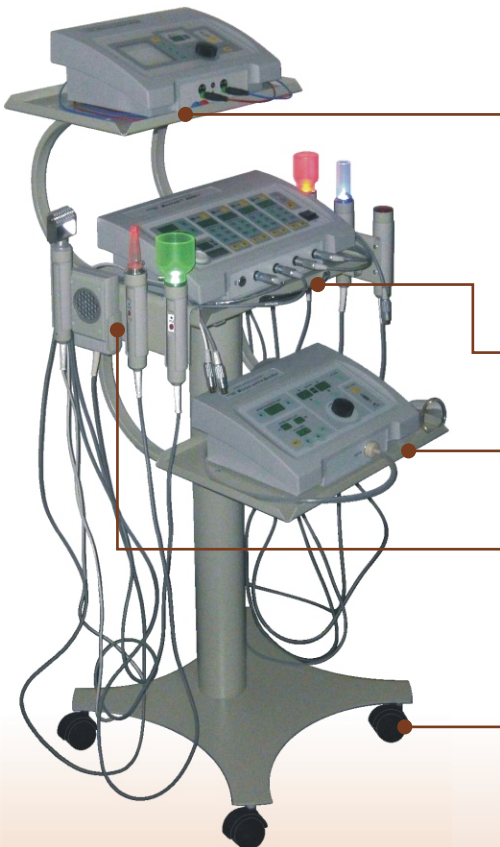
«Muravey» is a portable small-sized device of magneto-laser therapy, which for many years has collected hundreds of reviews with gratitude to doctors and engineers who developed this unique device in terms of efficiency and versatility back in the mid-90s. It has a large working surface and a matrix structure of the arrangement of infrared pulsed lasers, which, in comparison with laser devices with a single emitter, provides a more "soft", but at the same time, more effective impact. The device effectively combines the therapeutic impact of a laser and a constant magnetic field, the mutual action of which enhances the therapeutic effect. The presence of additional modulation and a magnetic nozzle expands the scope of its application.

Over the years, the design of the device has been constantly improved - now it is a modern device with microprocessor control, LCD display, automatic timer, protection against unauthorized switching on and automatic shutdown, with the ability to work on a battery and a power adapter, which allows you to use it in any conditions. The device is light in weight and easily fits in the palm of your hand.

- Mode of operation of lasers
- The wavelength
- Frequency
- Setting range of power
- Working surface area
- Possibility of an additional modulation (frequency)
- Magnetic field induction of the nozzle
- Battery life, at least

Pulsed
0,89-0,91 μm
80 Hz
0-80 W
12 sq. cm.
Yes (2.4 Hz)
50 mT
50 hours

25 years
successful application



Universal rack

It is used for placement of laser and physiotherapy devices of the «Mustang-2000», «Mustang-Physio», «Mustang-Vacuum» series, as well as for other therapeutic devices. The rack can have 1, 2 or 3 shelves with sides for placing therapeutic devices.

The rack has a convenient handle for moving

The shelves are located at the optimal height, which makes it convenient to carry out procedures both standing and sitting

Replaceable holders allow you to use the rack with a set of laser probes of any type (up to 8 probes)

Wheel supports allow you to easily move the rack within the room. The front wheel stops securely lock the rack in the right place



Ideal for hardware physiotherapy complexes