

Modern
solution.



Microscope.

Optimal length of the arm.

The long arm of the microscope increases a range of operation, making it easier to position the device in a convenient place in the doctor's room. Alternatively, it is possible to use a short arm in rooms with less space available.

Optionally, it is possible to equip the microscope with an additional arm extension (28 cm), which further increases the positioning flexibility and facilitates manoeuvring.





Densim Optics.

When precision decides about the success.

Densim Optics – a microscope which is a perfect solution for the beginners and for more demanding users. Just a few minutes of work with the microscope makes you feel confident in your choice. Densim Optics provides a perfect image and a large depth of field – it is a device which is indispensable in each modern doctor's office.

With the flexible arm, the microscope is easy to guide and adjust to the position of the user. A wide-range varioobjective with a bright LED illumination ensures an excellent visibility and precision of work. A handy control panel enables user to easily adjust the light intensity, meeting his current needs.



01



Ergonomic inclinable binocular.

The range of 0-195° allows the user to find the most comfortable and ergonomic position while working with the microscope. The binocular is equipped with eyepieces offering a diopter adjustment for each eye independently.

The following binoculars are also available as an option:

- inclined binocular with 45° angle
- inclined binocular with 90° angle

02



Head control panel.

Located on the head within the reach of user:

- ON/OFF switch
- Filter selection (green, yellow, orange)
- Adjustable light intensity

03



Head control panel.

- A high intensity of the light (60 klx). A color temperature of the light is very close to the color temperature of the daylight.
- A diode with a long life span, located in the microscopes' head.

04



Varioobjective.

In a standard configuration, there is available an objective with a variable focal length. The varioobjective works in the range of 200-300 mm, which is suitable for most applications and allows the user to obtain a sufficient depth of field.

The objectives with focal lengths of 200, 250, 300, 400 mm are available as an option.

05



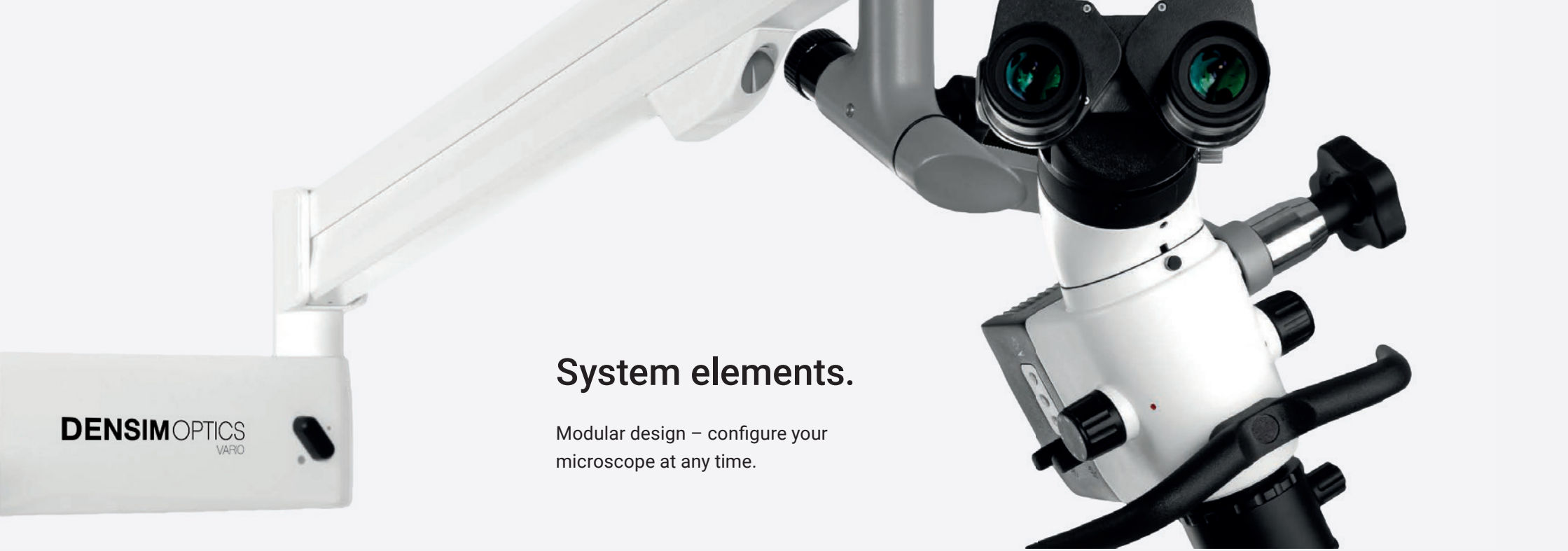
Large magnification.

Magnification adapted to the needs of the user. A maximum value of magnification depends on the configuration of the microscope.

The magnification adjustment knob is located on both sides of the microscope's head and enables selection of the desirable option (five-steps of magnification available).

Densim Optics.

- Automatic switch-off system
- Fiberless illumination
- Handles with antibacterial cover



DENSIMOPTICS
VARO

System elements.

Modular design – configure your microscope at any time.

Binocular extension.

It is a module of great importance for work ergonomics. Binocular extension relieves the cervical spine. It makes it easier to keep upright position and reduce a muscle tension.



Rotation ring.

In combination with the binocular extension, rotation ring allows the device head to tilt sideways, while maintaining a constant position of the binocular and an unchanged upright position of the user.



Imaging system.

It extends the features of the microscope. The HDMI and USB ports built into the microscope's arm make it possible to connect additional external devices in an easy and attractive way.



Specification.

	Standard	Option
Binocular	inclined 0-195°	inclined angle 90° / 45°
Objective lens	variobobjective 200-300 mm	objective 200 / 250 300 400 mm
Focus adjustment	manual, smooth focus adjustment 0-1 00 mm	manual, smooth focus adjustment 0-15 mm
Widefield eyepieces (vision correction+/- 5 dioptres)	12.Sx magnification	1 0x magnification
Optics	high-resolution, apochromatic optics	
Eyepiece distance adjustment	50 - 80 mm	
Built-in filters	3 filters: yellow orange green ❶	
Illumination	60 klx, 6000 K coaxial, built-in head (fiberless) ❷	
Automatic switch-off	yes ❸	
Illumination intensity adjustment	manual, smooth adjustment intuitive handling within reach	
Integrated wiring inside the arm	yes	
Built-In ports	yes {USB, HDMI}	
Magnification	maximum 27x manual, five-step magnification: 0.4 / 0.6 / 1.0 / 1.6 / 2.S	
Antibacterial coating	yes, head adjustment handles ❹	

❶ Filters

- yellow filter: prevents early polymerization of the composite;
- orange filter: as above, however, the process is prolonged
- comparing to the yellow filter;
- green filter: increases the contrast and makes the blood
- vessels in the tissue visible;

Selecting one of the filters intended for slowing down the composite's hardening process, enables the doctor to adapt the work pace.

❷ A LED diode

built into the head of the device, means stronger light in the treatment area, less expensive operation and less visible wiring.

❸ Automatic switch-off

The arm is equipped with the function of automatic and quick switch-off of the light in the resting position. The system is particularly useful once the medical procedures are not performed. It is also applicable during short breaks in treatment procedure. In addition, the system increases a lifetime of the LED diode.

❹ Ergonomic handles at the head

They enhance positioning of the microscope's head. In addition, the handles are coated with silver ions. Application of the ionics reduces a number of pathogens to the minimum.

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