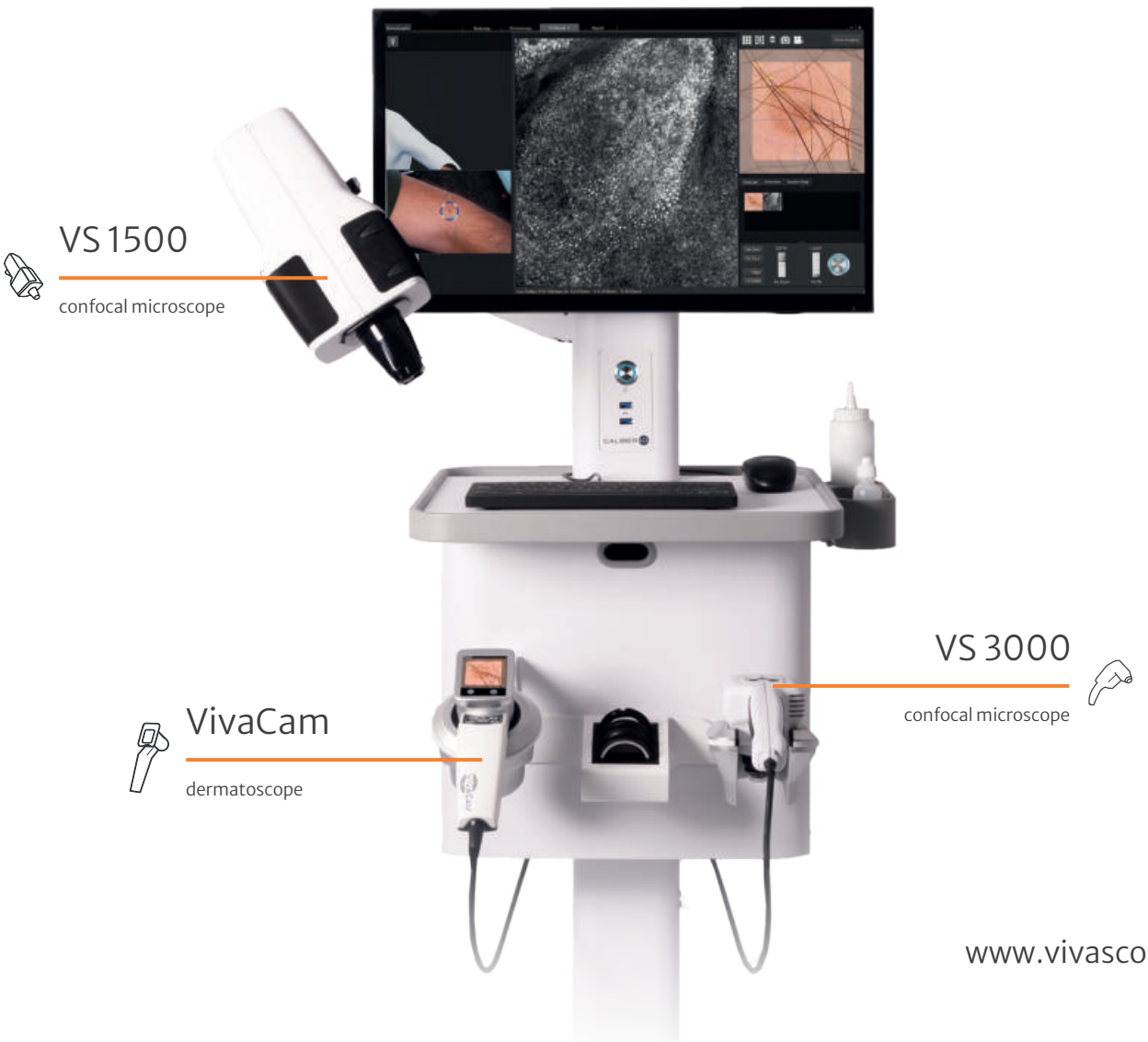
IN VIVO IMAGING

VIVASCOPE

VivaScope Systems

1500 / 3000 / Combo

Technical Data



www.vivascope.com

VivaScope 1500 / 3000 / Combo

The VivaScope 1500 and VivaScope 3000 are confocal microscopes for the examination of the skin. Both devices generate images that reveal the cellular morphology of the epidermis and the superficial dermis. A near-infrared laser (830 nm) penetrates the superficial layers and is reflected by components of the skin. The strongest reflection is observed with melanin and keratin due to their high refractive indices. The reflected light is captured by the microscope and translated into grayscale images of the different layers of the skin.

Based on these images the morphology of the skin can be clearly identified and evaluated. As the imaging procedure is non-invasive the skin remains completely unharmed and thus an "optical biopsy" is performed. The images are generated in real-time and can be analyzed directly, avoiding unnecessary waiting time.

Find out more:

visit the **VS Combo** product site

Configurations: VS 1500 | VS 3000 | VS Combo

Technical Data	VivaScope 1500	VivaScope 3000
Optical resolution	< 1.25 µm in center of image field (horizontal) < 5.0 µm in ceenter of image field (vertical)	< 1.25 µm in center of image field (horizontal) < 5.0 µm in ceenter of image field (vertical)
Viewable section & mapped field	8 x 8 mm (single FOV 0.5 x 0.5 mm)	unlimited (FOV 0.75 x 0.75 mm)
Imaging wavelength	830 nm	830 nm
Magnification	550x	350x
Objective	38 x magnification, 0.9 NA water immersion	38 x magnification, 0.9 NA water immersion

Technical Data	All configurations
Dermatoscopic camera	VivaCam (Canfield D200evo), included in all systems
Monitor	23", 1920 x 1080 pixels touchscreen
Electrical requirements	110–230 VAC, 50–60 Hz

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