

# HORUS, APPLICATIONS AND PATENTED TECHNOLOGY

The new dimension of video diagnostics in dermatology



HORUS

[www.horusystem.it](http://www.horusystem.it)



CERTIQUALITY  
IS MEMBER OF  
CISQ FEDERATION



ISO 9001:2015



CERTIFIED QUALITY  
MANAGEMENT SYSTEM

## NEW HEADQUARTERS

- COMMERCIAL DEPARTMENTS
- SHOWROOM
- FACTORY
- QUALITY CONTROL
- RESEARCH AND DEVELOPMENT
- HORUS ACADEMY



*A DYNAMIC COMPANY THAT GROWS WITH YOU*

## DEDICATED PRODUCTS FOR DERMATOLOGY WITH FUNCTIONAL AND ADVANCED SOFTWARE

### ABOUT US

Adamo S.r.l. comes from a multi-year experience in the field of video diagnostics. We constantly invest in research and development and since 2017 we became the largest Italian manufacturer company in our sector with a structure established in an area of about 3,600 square meters. We do not consider our users as simple customers but strategic partners for a mutual growth. For us the after-sales service is the most important phase.

### INNOVATIVE TECHNOLOGY

We introduced new diagnostic methods for better visualization of static and dynamic morphological patterns, allowing a more accurate clinical diagnosis. We develop new technologies with the aim of offering technologically advanced tools that can be used daily and easily in clinical practice

### VIDEODERMOSCOPY AND SOFTWARE

Our systems are the result of a constant collaboration with all our customers. The continuous feedback with them is our starting point to make hardware and software more performing, that's way they are considered the best in its category. We take care of every detail. Functionality, ergonomics, aesthetics are concepts that are part of our DNA and are elements that we take care of in every production phase

### RESEARCH AND DEVELOPMENT

We allocate approximately the 50% of our resources to the R&D, because we always want offer the best. The constant cooperation between our determinate and close-knit R&D team with different universities and national/international partners allows us to develop products with high technological content for new diagnostic approaches with unmatched operational simplicity

## BASIC LINE

The **BASIC** line of Horus Videodermatoscopes is dedicated to those who want to start using an high quality diagnostic equipment with the best quality / price ratio.

The HD images and the considerable simplicity of use make these systems a valid support to the professional activity of the doctor.

It is also developed for new postgratuated doctors who want to start to work with instrument that ensure high standard quality level and need equipment easy to use and transportable.

Versatility is another of many features that distinguish HORUS Videodiagnostics systems, created for Videodermatoscopy, Videocapillaroscopy and Videotrichoscopy.

The transportable and cart configurations offer a wide range of possibilities, allowing the system to meet every specific need of the doctor.

Maximum ergonomics and innovative technology with a low weight, to work in a fast and simple way without tiring the wrist, even after long periods of use.

HS 100



HS 200



HS 400



## BASIC LINE | HS 100

**HS100** is the only HD images entry level tool in video-diagnostic market in dermatology. It has the best ergonomics and innovative technology in just 180gr with hermetic contact area for direct immersion sterilization. It is used as a normal pen with an ergonomic adjustment of microfocus to obtain the right focusing of the involved area and easily work on all cutaneous lesions. The tool can be connected directly to a Notebook USB (2.0HS or 3.0) using a plug-in.

### DATA SHEET

HD RESOLUTION  
MAGNIFICATION 30 X  
WHITE LIGHT IN EPILUMINESCENCE  
MAPPING WITH REFERENCES ON BODY MAP  
MAPPING WITH REFERENCES ON MACRO CLINIC (IMPORTED)  
DIGITAL ZOOM UP TO 400x  
DOUBLE FOOT SWITCH (STOP / SAVE IMAGE AND VIDEO)  
SOFTWARE BASIC EDITION  
PROBE HOLDER  
2 YEARS WARRANTY

### OPTIONAL

WIDERM WIFI MODULE WITH CAMERA  
AUTOCLAVABLE COVER FOR PROBE



### IMAGES



## BASIC LINE | HS 200

**HORUS200** is the first transportable system with integrated total-body mapping and sequential dermoscopy. It has the best ergonomics and innovative technology in just 195gr with hermetic contact area for direct immersion sterilization. Is the smallest transportable system for Videodermoscopy, Videocapillaroscopy and Videotrichoscopy. The hand piece have 2 magnifications and the **Twin Light** option to work with white light and polarized light without substitution of the optics. A practical variable focus optical module for clinical images, useful to create a quick map of all the lesions to be examined. The 150x magnification is very useful for the evaluation of the vascular pattern in the non-pigmented lesions, the morphological study of the microcirculation, the accurate analysis of the scalp and many other useful applications. Rapid magnification selection.

### DATA SHEET

HD RESOLUTION  
MAGNIFICATIONS 30 X AND 150X  
WHITE LIGHT IN EPILUMINESCENCE  
INTEGRATED POLARIZED LIGHT  
MAPPING WITH REFERENCES ON BODY MAP  
MAPPING WITH REFERENCES ON MACRO CLINIC  
PROBE FUNCTIONS CONTROL BUTTON  
DIGITAL ZOOM UP TO 400x  
DOUBLE FOOT SWITCH (STOP / SAVE IMAGE AND VIDEO)  
SOFTWARE BASIC EDITION  
PROBE HOLDER  
2 YEARS WARRANTY

### OPTIONAL

WIDERM WIFI MODULE WITH CAMERA  
AUTOCLAVABLE COVER FOR PROBE



### IMAGES



## BASIC LINE | HS 400

**HORUS 400** is the most compact high definition digital system on wheels with integrated Total-Body clinical mapping and sequential Videodermoscopy. Probe with innovative technology in only 195 grams and with an hermetic contact area for direct immersion sterilization. A practical system for Videodermoscopy (VDS), Video-capillaroscopy (VCS), Videotrichoscopy (VTS) and Videoentomology (VES). There are two magnifications and the **Twin Light** mode for working in immersion and polarized light without substitution of optics. A practical variable focus optical module for clinical images useful to create a quick map of all lesions to be examined. The 150x magnification is very useful for the evaluation of the vascular pattern in the non-pigmented lesions, the morphological study of the microcirculation, the accurate analysis of the scalp and many other useful applications. The selection of the magnification is very rapid. You can add a small and compact **TRASPORTER KIT** to have all the main functions of HORUS even on a laptop to work anywhere

### DATA SHEET

- HD RESOLUTION
- MAGNIFICATIONS 30 X AND 150X
- WHITE LIGHT IN EPILUMINESCENCE
- INTEGRATED POLARIZED LIGHT
- MAPPING WITH REFERENCES ON BODY MAP
- MAPPING WITH REFERENCES ON MACRO CLINIC
- PROBE FUNCTION CONTROL BUTTON
- DIGITAL ZOOM UP TO 400x
- DOUBLE FOOT SWITCH (STOP / SAVE IMAGE AND VIDEO)
- SOFTWARE BASIC EDITION
- INTEGRATE PROBE HOLDER
- 2 YEARS WARRANTY

### OPTIONAL

- WIDERM WIFI MODULE WITH CAMERA
- AUTOCLAVABLE COVER FOR PROBE
- DOUBLE MONITOR
- BASIC TRANSPORTER KIT



### IMAGES



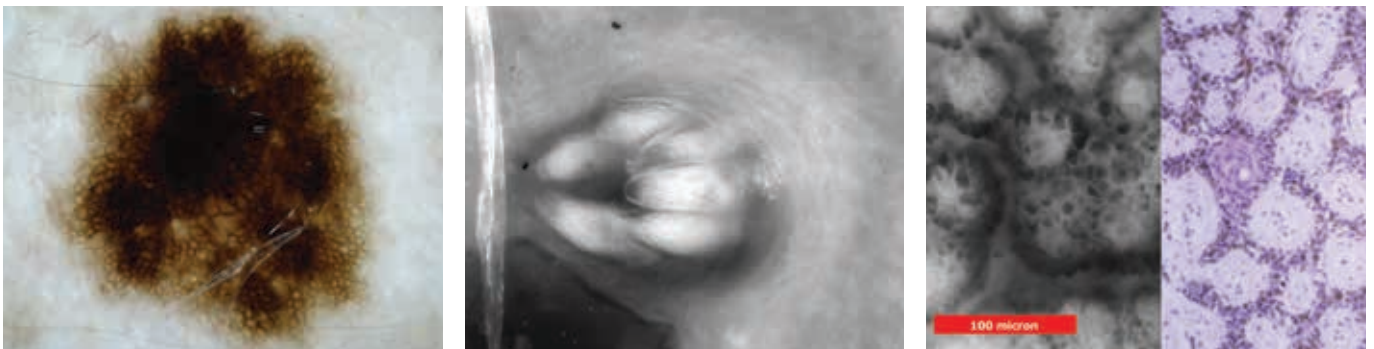


## ADVANCED LINE

The **ADVANCED LINE** is the range of **Horus Videodermoscopes** designed and developed for Professionals who require the best in terms of quality image and functionality from a system realized to solve most of the practical problems related to the use of classic Dermatology Video diagnostics systems. The perfect synthesis of engineering and innovation for those who want to go beyond the known boundaries of classical Videodermoscopy and for those who have the curiosity to see something more than the existing Videodermoscopy systems.

Choosing one of the **ADVANCED LINE** systems ,also, means access to a number of exclusive advantages, such as: taking part in scientific board preview on the application and use of the new methods developed by the Horus research team. Be part of the scientific team that will evaluate the technological and software innovations of our product lines. Become a full member of the development of the new Videodermoscopy systems by contributing to the development of cutting edge technologies. Buying an **ADVANCED LINE** system means transforming a cost into an investment, in fact you can access to the **GUARANTEED HORUS VALUE** which gives you the possibility to up-grade HORUS® systems without buying a new system but having the opportunity to upgrade the system you already bought, paying only the difference between the price of the purchased machine and the price list of the new version.

Have access to the two exclusive technologies **FAV®** and **ViCSA®**, the new methodics developed by the research and development team of HORUS Video diagnostic Systems that allow to analyze new structures but also structures already known, more accurately, using innovative and unique technologies. Today the **ADVANCED LINE** products represent the maximum technological evolution for video-diagnostics in Dermatology.





# ADVANCED LINE

## SMART TECHNOLOGY

Artificial intelligence in videodermoscopic diagnostics.  
Advanced microelectronics for greater reliability.  
Functional self-control.

## MULTI-BOARD SYSTEM

Technological updating constant over time  
Maximum integration with future  
Innovative technologies Dedicated probes for maximum definition

## ERGONOMICS

Adaptation to the anthropometric characteristics of the user.  
Intuitive and easy-to-use software designed for the multi-finger capacitive touch-screen.  
Ultra-Light probes to eliminate wrist fatigue

## RESEARCH AND DEVELOPMENT

Perfect union between design and technology  
Beautiful and functional for total integration  
Designed to increase the aesthetic value of the study

HS 600



HS 800



HS 1000



## ADVANCED LINE | HS 600

The **HS 600** is the first system with 4K ULTRA-HD resolution. It is ergonomic and compact to handle it as you wish. It allows you to adapt the work plan, the monitor, the keyboard to your needs for a better working condition. Wide 22" integrated monitor with **Multi-finger Touch-Screen** technology for a quick selection of functions Integrated and modular electronics dedicated with proprietary firmware to guarantee maximum reliability and simplicity in technical assistance. **5th Generation** probes with Autocalibration to achieve maximum reproducibility in the follow-up. Possibility to connect simultaneously several probes with practical probe holders, to have always available all the advanced HORUS diagnostic technologies (**FAV, ViCSA**). Integrated Wi-Fi network to connect client and printer terminals. **WiDi**(Wireless Display) technology for connecting a secondary wireless monitors. Double anti-static rubber wheels with foot lock for fast and safe handling.

### DATA SHEET

*4K ULTRA HD RESOLUTION*

*5th GENERATION PROBE*

*DOUBLE FIXED OPTICAL INTEGRATED WITH 30x AND 150x MAGNIFICATION*

*HIGH-BRIGHTNESS LED MODULE INTEGRATED WITH WHITE LIGHT AND*

*POLARIZED LIGHT WITH AUTOMATIC SELECTION*

*MACRO AUTOFOCUS MODULE INTEGRATED WITH WHITE LIGHT AND*

*POLARIZED LIGHT WITH AUTOMATIC SELECTION*

*ASSISTED MAPPING*

*AUTOMATIC FOLLOW-UP WITH REAL-TIME COMPARISON*

*DIGITAL CONTROL OF ALL PROBE FUNCTIONS*

*BLUETOOTH DOUBLE FOOT SWITCH (STOP / SAVE IMAGE AND VIDEO)*

*AUTOCLAVABLE COVER*

*SOFTWARE ADVANCED EDITION*

*3 YEARS WARRANTY*

*MONITOR 22 "TOUCH-SCREEN CAPACITIVE MULTI-FINGER*

### OPTIONS

*WIDERM WIFI MODULE WITH CAMERA*

*DOUBLE PATIENT MONITOR*

*KIT TRANSPORTER ADVANCED*

*FLUORESCENCE PROBE "FAV" FOR IN VIVO VIDEOMICROSCOPY*

*FLUORESCENCE PROBE "ViCSA" IN HIGH MAGNIFICATION*

*PROBES WITH MAGNIFICATION 15x/20x - 50x / 100x - 200x*



### IMAGES





New module for clinical images  
Smart-Technology with autofocus to ensure always excellent images.  
The integrated system with **HIGH INTENSITY LEDs** technology allows a level of Optimal lighting that together with the **Cross-Polarized light** technology passes the horny layer and shows in depth the skin structure.  
The system is the more compact to use the innovative **TWIN LIGHT** technology to acquire simultaneously clinical images whit white and polarized light.



The new HORUS® production philosophy is the basis of the development of exclusive system with **Multi Board System** technology to easily perform all future hardware upgrades.  
A constant update to always work with advanced technologies. The simple solution to carry out rapid technical actions to solve with the replacement of the single ones plug-in boards, on the back-panel.



**Integrated Smart Card Microchip** Reader to speed up the insertion and the search of patients registered in the database.  
By inserting the smart card, the system reads automatically all personal data and fill in all the fields available in the medical records.  
An effective way for save time and reduce all errors due to manual typing.

## ADVANCED LINE | HS 800

All the peculiarities of the Advanced line to realize the best solution to perform second level mappings with the automatic Total Body scanning system. A sophisticated mechanical, vertically scanned mechanism with autofocus and high color quality. Compact and aesthetically designed to reduce the overall dimensions, ensuring all the features you need to offer to your patients a high level service. Accurate Total Body scans with dedicated lighting to ensure high reproducibility. The system allow the automatic creation of customized protocols for each individual patient that you can recall with a simple "click". The most practical way to manage a detailed medical record, very appreciated and very useful to increase patient loyalty.

### DATA SHEET

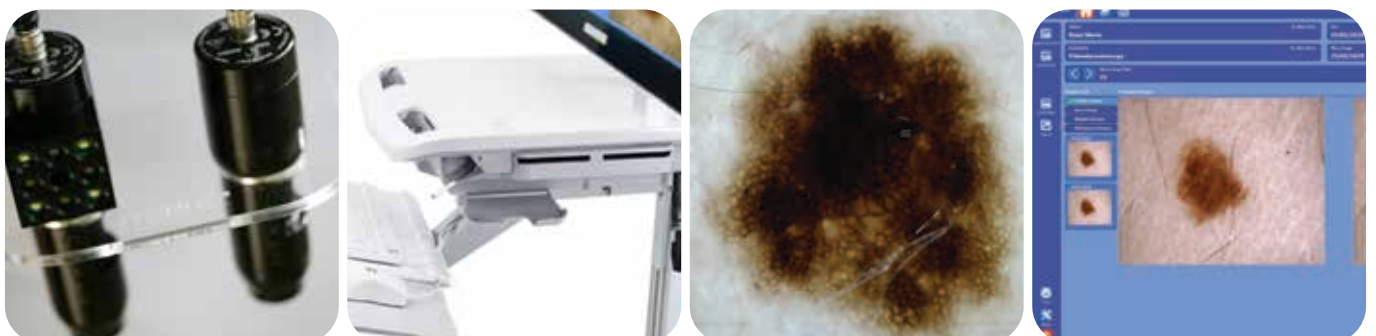
4K ULTRA HD RESOLUTION 5TH GENERATION PROBE  
5th GENERATION PROBE  
DOUBLE FIXED OPTICAL INTEGRATED WITH 30x AND 150x MAGNIFICATION  
HIGH-BRIGHTNESS LED MODULE INTEGRATED WITH WHITE LIGHT AND POLARIZED LIGHT WITH AUTOMATIC SELECTION.  
MACRO AUTOFOCUS MODULE INTEGRATED WITH WHITE LIGHT AND POLARIZED LIGHT WITH AUTOMATIC SELECTION.  
AUTOMATIC TOTAL BODY FOR ASSISTED MAPPING.  
PATIENT POSITIONING WITH LASER INDICATOR  
AUTOMATIC FOLLOW-UP WITH REAL-TIME COMPARISON.  
DIGITAL CONTROL OF ALL PROBE FUNCTIONS.  
BLUETOOTH DOUBLE FOOT SWITCH (STOP / SAVE IMAGE AND VIDEO).  
AUTOCLAVABLE COVER.  
SOFTWARE ADVANCED EDITION.  
3 YEARS WARRANTY  
MONITOR 22" TOUCH-SCREEN CAPACITIVE MULTI-FINGER

### OPTIONS

WIDERM WIFI MODULE WITH CAMERA  
DOUBLE PATIENT MONITOR  
KIT TRANSPORTER ADVANCED  
FLUORESCENCE PROBE "FAV" FOR IN VIVO VIDEOMICROSCOPY.  
FLUORESCENCE PROBE "ViCSA" IN HIGH MAGNIFICATION  
PROBES WITH MAGNIFICATION 15x/20x - 50x / 100x - 200x



### IMAGES







**Laser Line Pointer:** a high intensity miniaturized laser indicator to show to the patient the exact positioning to start the Total Body scan. Activates automatically with the selection of the scanning protocol.



**Total Body Lighting** technology, the first one integrated system to ensure total illumination of the patient's body, high color stability and the total absence of shadow areas. The double **White-Light lighting** allows HD images quality improving the detection of all lesions, even the smallest.



**Constant Force** technology for the maximum ergonomics of HORUS® **Advanced** system. The ability to adjust the height of the worktable, of the monitor, adjustable also separately, and extractable keyboard support, separately adjustable. A system designed to fit perfectly with the different characteristics anthropometric values of the different operators.

## ADVANCED LINE | HS 1000

The Best in the prevention of melanoma. Maximum technological expression and exclusive design for the more exigent professional who wants high quality diagnostics equipment with operational simplicity and elegance. The first system in the world with Total Body function ASTNA® (Automated Scanning Total body Numerical Analysis), the total body with Automatic patient distance control for scans of very detailed clinical images and high reproducibility guaranteed by specific algorithms and high intensity polarized illumination. An easy to use automatic mapping system to allow the identification of new lesions and rapid follow-up. The peculiarities of HORUS® HS1000 are very useful to the management of all clinical images in aesthetic medicine and in all therapeutic treatments with clinical monitoring (psoriasis, vitiligo, etc).

### DATA SHEET

4K ULTRA HD RESOLUTION  
5th GENERATION PROBE  
DOUBLE FIXED OPTICAL INTEGRATED WITH 30x AND 150x MAGNIFICATION  
HIGH-BRIGHTNESS LED MODULE INTEGRATED WITH WHITE LIGHT AND POLARIZED LIGHT WITH AUTOMATIC SELECTION.  
MACRO AUTOFOCUS MODULE INTEGRATED WITH WHITE LIGHT AND POLARIZED LIGHT WITH AUTOMATIC SELECTION.  
TOTAL BODY AUTOMATIC WITH WHITE LIGHT AND POLARIZED LIGHT  
DYNAMIC POSITIONING OF THE PATIENT WITH ULTRASOUND DISTANCE DETECTOR  
AUTOMATIC FOLLOW-UP WITH REAL-TIME COMPARISON.  
DIGITAL CONTROL OF ALL PROBE FUNCTIONS.  
BLUETOOTH DOUBLE FOOT SWITCH (STOP / SAVE IMAGE AND VIDEO).  
AUTOCLAVABLE COVER.  
SOFTWARE ADVANCED EDITION.  
3 YEARS WARRANTY  
MONITOR 22 "TOUCH-SCREEN CAPACITIVE MULTI-FINGER

### OPTIONS

WIDERM WIFI MODULE WITH CAMERA  
DOUBLE PATIENT MONITOR  
KIT TRANSPORTER ADVANCED  
"FAV" FLUORESCENCE PROBE FOR IN VIVO VIDEOMICROSCOPY.  
FLUORESCENCE PROBE "A VICSA" IN HIGHLIGHT  
PROBES WITH MAGNIFICATION 15x/20x - 50x/100x - 200x



### IMAGES





**ONLINE HIGH AUTONOMY UPS** technology.

The only videodermoscopy system complete of total body scan system, equipped with a smart online UPS system, a device that insulate the system from main interference and protects from power surges. It allow also to work up to 6 hours without connection to the power supply.

The ideal solution to move in total freedom without annoying electric cables.



**ULTRASONIC DISTANCE CONTROL** technology.

Distance detection system of the patient.

The ASTNA® algorithm, exclusive of the HORUS® HS1000 system, manages the exact position based on the characteristics anthropometrics of the patient. The double lighting **WHITE LIGHT AND CROSS POLARIZED LIGHT** with about 2000 LEDs for high quality images.



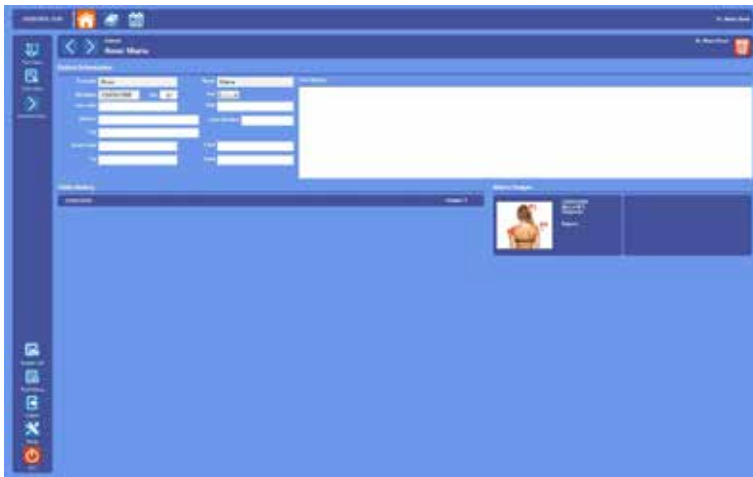
**HORUS® HS 1000** is developed to satisfy all users needs and for this he introduced the innovative concept **WORK AS YOU WANT**. In addition to many other regulations it is possible to adjust the monitor in many different positions. It can rotate at 180° and incline up to 60° to use the system in tablet mode with touch functionality.

With HORUS® HS1000 the execution of the visit is quick and easy.

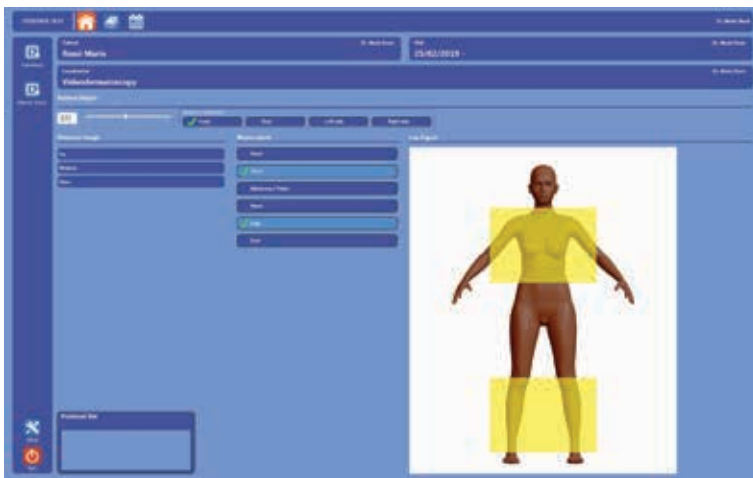


# SOFTWARE ADVANCED

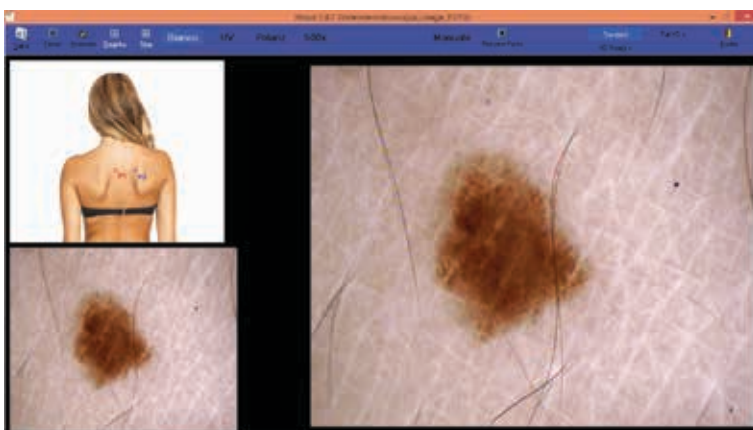
**HORUS® software** is the heart of the system and has been developed in line with the company philosophy. It is the most important component for the doctor and gives him the possibility to manage the complexity of his clinical activity and diagnostics. Into consideration all doctors need to create and improve the software. We created an Open Project platform in order to fully meet doctors needs, where some of our customers participate in software development sharing their experience and professionalism.



LOGIN AND PATIENT ANAGRAPHIC



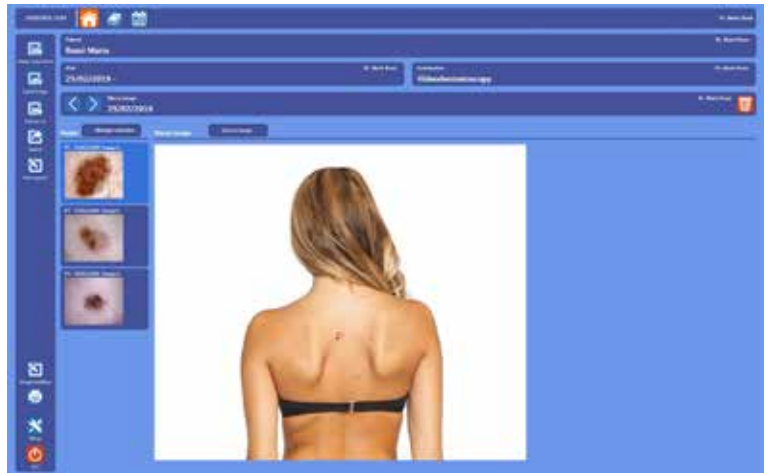
TOTAL BODY SEQUENTIAL



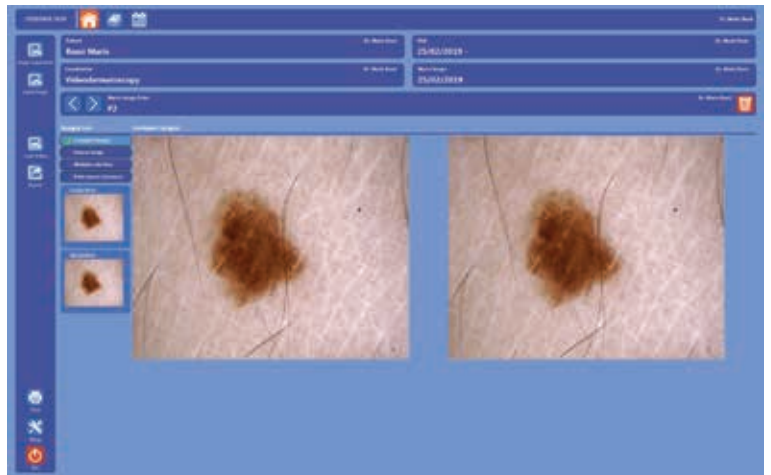
MAPPING AND SEQUENTIAL FOLLOW UP

# SOFTWARE ADVANCED

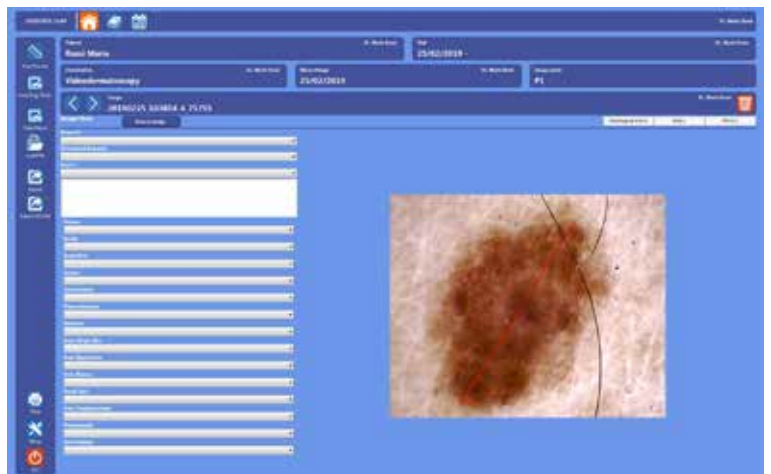
MACRO WITH MICRO IMAGES



COMPARISON OF IMAGES



CUSTOMIZABLE PARAMETERS



# SOFTWARE ADVANCED



CUSTOMIZABLE ANAMNESIS



POST PROCESSING WITH ANALYSIS AND MEASURES



CUSTOMIZABLE EXAM REPORT





HORUS

**f in**

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