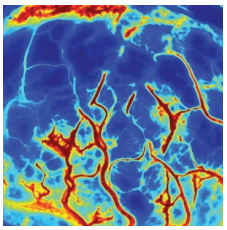
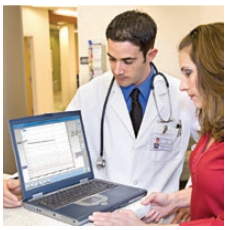
Streamline Blood Flow Imaging for Clinical Research

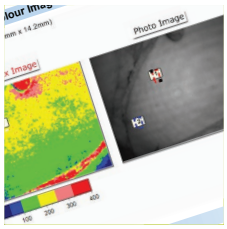
with moorFLPI-2 Clinical Software

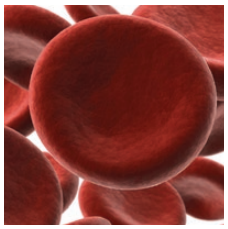


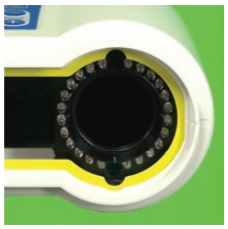












moor instruments

innovation in microvascular assessment

Clinical software to streamline tissue perfusion assessment in clinical research settings using a proven non-contact imaging technology for microvascular blood flow

The software provides a smooth work flow enabling you to collect patient information (including details of wound location and cause), easily configure scan settings, scan the patient, save the records within an easy to use database, analyse data and generate reports.

Ease of Use

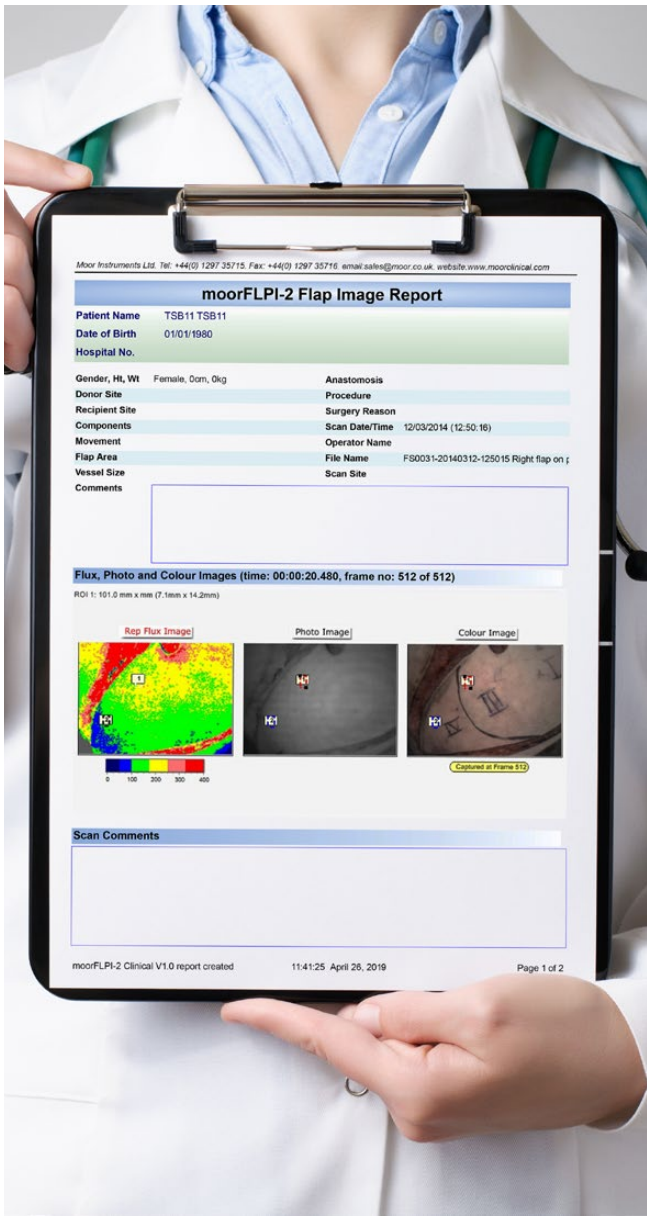
Predefined scan settings and database structures are provided for researching burn wounds, reconstructive/ plastic surgery cases and other clinical research assessments. The clinic friendly system is completed with a mobile stand and touchscreen, medical grade panel PC.

‘Snapshots’ of Tissue Perfusion

Central to the system is the moorFLPI-2 laser speckle blood flow imager which offers large, real time, high resolution images. Automatic image stability detection will always provide the best representative image.

Track changes pre, during and post-surgery, therapy or intervention

The software can track changes in real time or over seconds, minutes, hours and days. The ‘Open All’ function enables you to quickly open multiple images from one session for review.



Questions and Answers

Q. What does the moorFLPI-2 measure?

A. The moorFLPI-2 measures the movement of blood cells in the microvasculature, that is, the blood vessels in the more superficial layer of tissue. The system generates colour coded maps to show areas of high and low blood flow. The moorFLPI-2 uses the laser speckle (or LASCA) technique.

Q. How large is the scan area?

A. The scan area is controlled by a motorised 10X optical zoom, with auto focus, enabling you to scan areas up to 20cm x 30cm (size of A4 paper).

Q. Can the software be used for different clinical research applications?

A. Absolutely. The software comes with three pre-configured options for Burn Wounds, Plastic Surgery/ Flap imaging and All other applications. Each option enables a patient database definition of the scan area with a schematic, wound type including relevant causes and an appropriate colour coded palette.

Q. Is imaging easy?

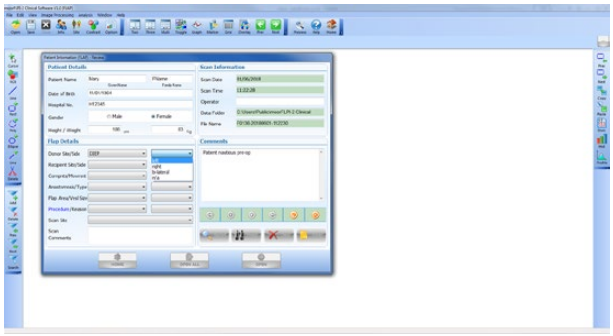
A. Yes. Setting scan area is smoother with motorised zoom and autofocus. Take a single snapshot or create a blood flow "video". Image stability detection will always provide the best representative image. The imager just needs line of sight to the tissue you want to assess (just like a regular camera).

Q. How about analysis and reporting?

A. Data is saved within a user friendly patient database, enabling quick and easy location of saved data. Search by patient information or by image. Once opened for review, a full suite of analysis functions is available to examine your data and help you express your findings. Configure your reports and present data at the touch of a button.

Q. Is the system suitable for use with human subjects in a hospital environment?

A. Yes. The system is CE marked as a medical device. Whilst the software cannot be used as the sole basis for diagnosis or therapy (for dedicated burn assessment, visit www.moorclinical.com), it is more suited to assess tissue perfusion in clinical research settings compared to the research based software normally supplied. The medical grade stand (anti-static wheels, battery back up) and panel PC (medical grade with touch screen operation) and wipe clean keyboard are also useful "clinic-friendly" additions.



Patient Database – Record detailed information about each image/ subject with full search functions.

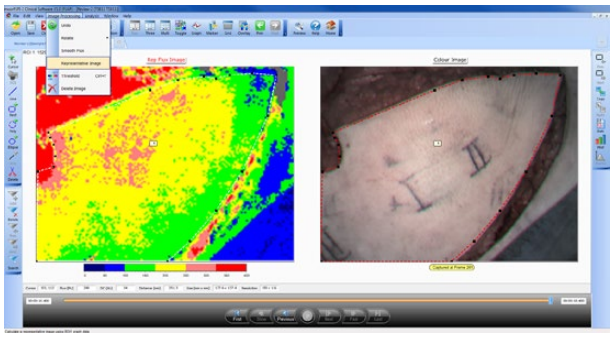


Image Processing – A number of image processing functions enable you to present images clearly and export image files to other programs/ apps as needed.

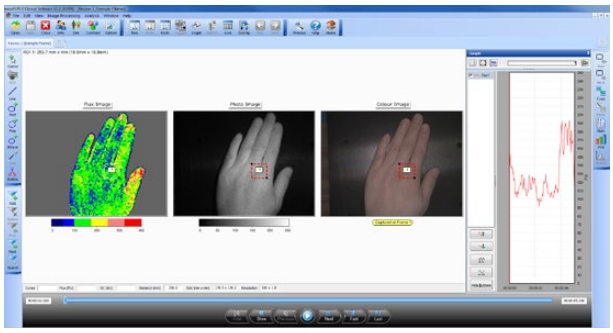


Image Analysis – Overlay regions of interest to see how flow has changed over time, and/or to compare different regions within the same image. Use the flexible report function to present your findings easily and clearly.

About Moor Instruments

Moor Instruments, established in 1987, is a world leader in the design, manufacture and distribution of monitoring and imaging systems for micro-vascular assessments. We are proud now to include tissue oxygenation assessments within this portfolio.

Firsthand experience of laser Doppler research and development within Moor dates back to 1978 and with this we have the breadth of knowledge to help with your application and the enthusiasm to try and find answers to any of your questions.

By giving priority to performance, quality and service, we strive to ensure the highest levels of customer satisfaction.

Our dedicated design team is involved with a number of development projects for other partners and manufacturers. Whatever your needs, as a researcher, clinician or manufacturer, Moor will work harder for you.



moorFLPI-2 full-field, video frame rate blood flow imager.

moorFLPI-2 Specifications:

Quality Control
Moor Instruments is certified to ISO 13485: 2016. The moorFLPI-2 is CE marked as a medical device.

Measurement Principle
Laser speckle contrast analysis (also known as LASCA).

Laser Safety Classification
Near Infra-Red laser diode: 785nm. Aiming beams red laser diodes: 650nm. Class 1 per IEC 60825-1:2014.
(Safe to use without eye protection).

Image Size
5.6mm x 7.5mm up to 20cm x 30cm (depends on distance and zoom).

Camera/Image Resolution
576 x 748 / 116 x 150 (spatial mode).

Image Acquisition Rate
25 images per second

Acquisition Modes
Single Image and Video mode.

Optical Design
Motorised 10X optical zoom and auto focus. Single camera / RGB illumination to match colour photo and blood flow images.

General
Power source: Universal voltage, 100-230V AC, 30VA, 50 to 60Hz.
Dimensions: Scan head 23cm x 12cm x 25cm (WxHxD), Scan head 2.3kg

Moor Instruments reserves the right to change specifications without notice.

moorFLPI-2 Clinical Software:

The moorFLPI-2 Clinical Software is the key component of the moorFLPI-2 imaging system for streamlining routine clinical research measurements.

Intended Use And Disclaimer
The moorFLPI-2 Full-Field Laser Perfusion Imager ~~and Clinical Software~~ is intended for blood flow measurements in the microcirculation. This system is intended for clinical research use.

The clinical software is easy and instinctive to use and designed to provide additional information to aid clinical assessment. The clinical value of measurements in disease states has not been established. The moorFLPI-2 and clinical software are not intended to be used as the sole basis for diagnosis or therapy.

Configuration
The moorFLPI-2 Clinical Software will automatically configure the patient database and scan setup according to the selected application. A built-in stability detection algorithm assesses movement noise and pulsatility in real-time and generate a representative image at end of video recording

Analysis and Reports
Analysis post scan includes the ability to replay and re-analyse data off-line by re-positioning regions of interest (i. e. statistics, histogram and profile). Automatic report generation and export to PDF file.

Data Management
Data can be saved and found again easily thanks to the in-built patient database and onward reporting or data export is easily managed.

Please contact us for a demo version to evaluate the features and benefits.

moor instruments
innovation in microvascular assessment

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Please visit www.moor.co.uk for full details of our international distributors and partners