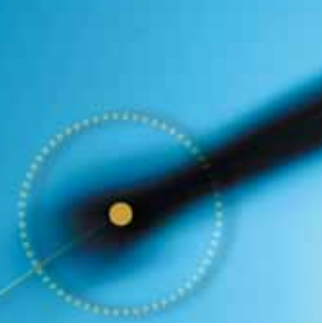




The Compact E-MRI

ESAOTE
THE IMAGE OF INNOVATION™



E-MRI a standard in imaging

Thanks to an excellent cost/benefit ratio, dedicated MRI systems have become a reality in the world of diagnostic imaging.

The aging of the population together with growing sports activities at all ages has led to an ever-increasing demand for extremity MRI examinations. On the other side, there is pressure on social and healthcare systems to control costs. In this context, finding the right balance between quality of the MRI service and optimization of costs is becoming more and more important for every modern and integrated healthcare system. The concept behind the Esaote E-MRI systems is to provide excellent MRI capabilities, focusing on high image quality and increased productivity at reduced costs.

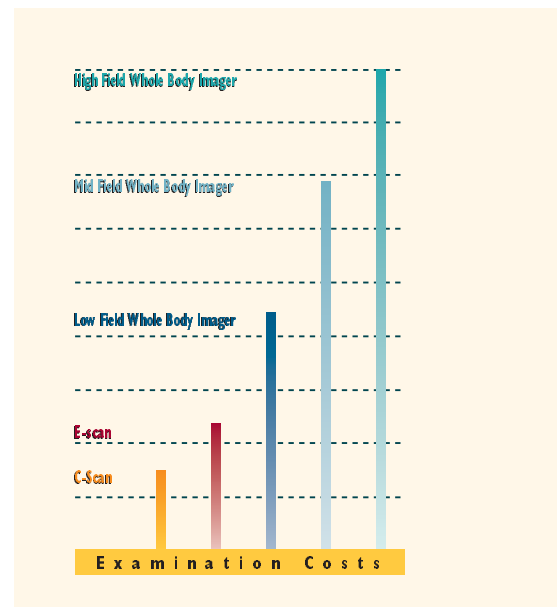


C-Scan

the right choice for extremities

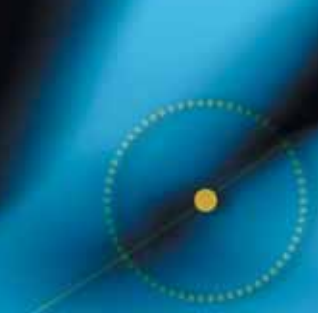
C-Scan features:

- the most cost effective MRI system
- very easy to install
No RF shielding, installation space required 9 sqm.
- high image quality
- maximum patient comfort
no claustrophobia
- easy to use
Windows user interface - only one operator required
- low maintenance and running costs
- low power consumption
only 1 Kw
- no cryogenes
- easy to connect and integrate
Windows 2000 based platform



the most cost effective MRI system





High image quality and productivity

C-Scan offers a complete range of acquisition techniques including Turbo Spin Echo and STIR, covering all musculoskeletal applications. C-Scan is fully multitasking and provides advanced image post processing capabilities including real-time multiplanar reformatting.



T1 Sag Knee

GE Sag Ankle

T1 Sag Elbow

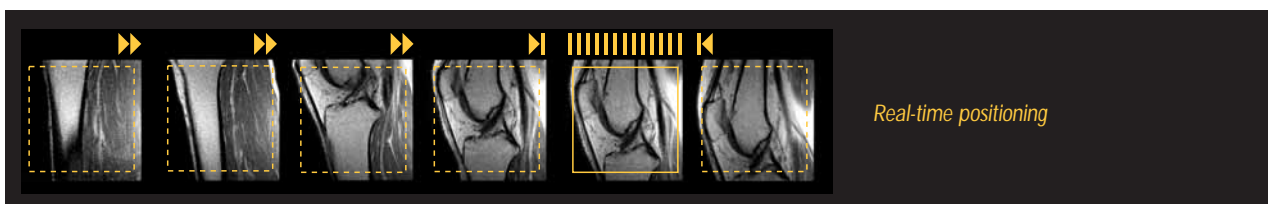
T1 Cor Wrist

Productivity

Productivity in MRI is more than the scan time alone. It also includes registration, patient handling, patient positioning, and scan setup.

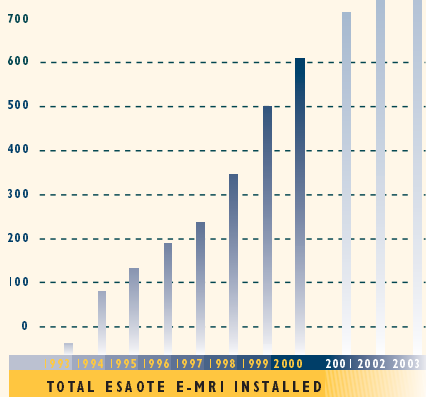
C-Scan provides increased patient throughput by offering several unique features and benefits:

- Central patient registration using DICOM[®] worklist – no need to re-enter patient information
- Easy patient handling - direct contact with the patient and no claustrophobic reaction.
- Preset protocols – scan setup is quick and easy. Protocols are easily customized (and saved) to accommodate all imaging needs.
- Real-time positioning – position patients quickly using interactive MR Fluoroscopy scans



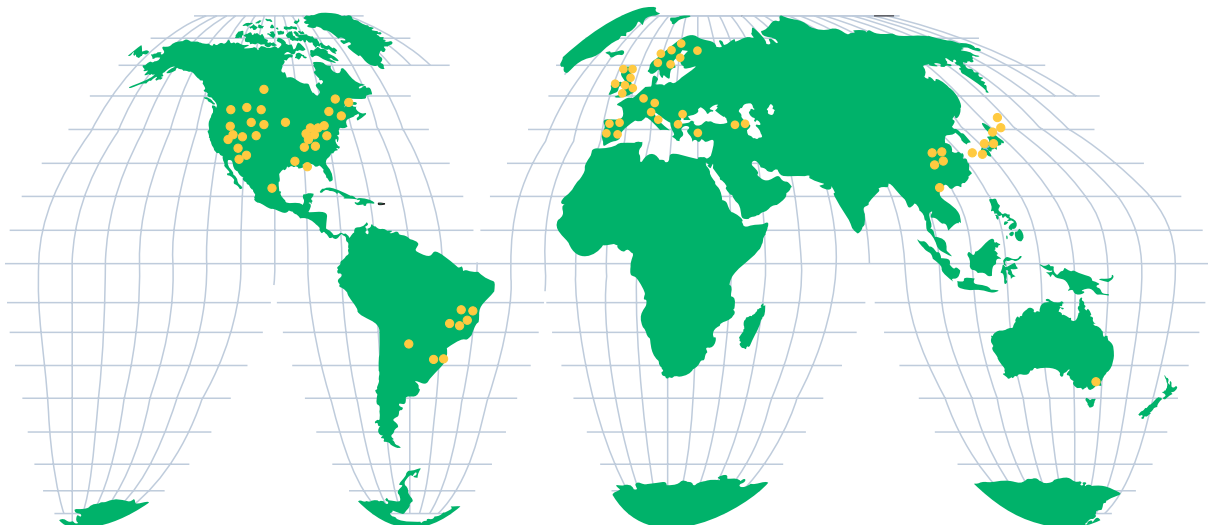


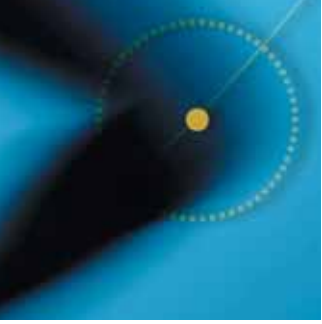
Esaote, since 1993 world leader in E-MRI



Esaote introduced E-MRI in 1993 as a response to the growing demand for MRI of the extremities.

Research and development has been driven by customer needs and patient comfort while still focusing on the cost/benefit ratio. This innovative approach has made Esaote the recognized world-leader in dedicated MRI.





The world's most compact MRI system

C-Scan is easy to install

C-Scan can be installed in a very limited space.

The innovative design integrates the RF shielding system, power amplifiers, electronics and magnet into one unique structure, minimizing the total space needed for installation. The low weight and extremely small 5 gauss footprint make C-Scan the

only MRI system that can be installed in virtually any office or practice.

The operator console, featuring a Windows® interface, can be located either in or outside the room, accommodating both small diagnostic practices and large radiology departments

The unique structure of the system avoids any claustrophobic reactions of the patients

Required space: 9 sqm
Shielding: integrated
Power: standard 110V or 220V plug





C-Scan suits different needs

- Radiology
- Orthopaedy
- Rheumatology
- Sport medicine



Bringing MRI to the patients

C-Scan provides high quality MR imaging of the elbow, wrist, hand, knee, ankle and foot with proven cost effectiveness. The system's ease of use and simple installation makes C-Scan suitable for any clinical environment:

- As a second or third system in large hospital, to optimizing the Radiology department's functionality, shortening waiting lists, and freeing time on the whole body scanner for major clinical cases.
- In orthopaedic and sport medicine centers, providing direct access to MRI without having to make another appointment, saving both time and costs for patient and the healthcare provider (one-stop shopping).
- In specialized rheumatology centers, for early detection and treatment follow up.

This re-shaping of the logistics of the diagnostic process represents a new way of looking at extremity MRI. The use of dedicated extremity MRI systems in rheumatology and orthopedics provides new opportunities to a larger range of patients and applications that can benefit substantially from a wider availability to MRI.



C-Scan, user friendly and easy to connect

Windows® 2000 based interface

The C-Scan is extremely easy to use and learn, since it uses the common Windows functionalities.

The interface and protocols are designed for one specific task, extremity MRI, substantially simplifying and speeding up the examination procedure.

Image Archiving

The image archiving system keeps track of all the patient data including the cases stored on removable disks (MOD or optional CD-ROM). The system keeps track of which disk the patient data/images are stored on for easy retrieval of information (almost like a local system PACS).



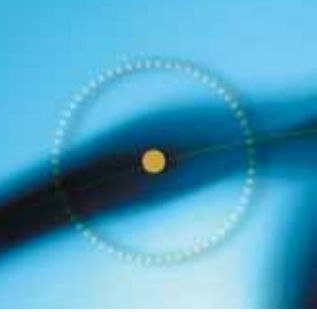
Full Connectivity

C-Scan is DICOM compatible and offers smart solutions for connectivity and teleradiology. Thanks to its Windows 2000 operating system, the C-Scan is compatible with any standard type of connection.

- Image transfer
DICOM format image transfer to any PACS or Workstation.
- Integration
DICOM worklist capabilities allow the C-Scan system to be connected to a centralized registration system.
- ESA VIEW
ESA VIEW is a software-only PC program from Esaote that transforms a normal PC in a DICOM workstation. This software package can be used in the clinic and in any remote location. With ESA VIEW you are always on-line.







C-Scan dedicated coils



1



2



3



4



5



6

- 1 *Knee (standard)*
- 2 *Knee (large)*
- 3 *Hand, wrist, elbow*
- 4 *Knee phased array*
- 5 *Ankle phased array*
- 6 *Hand and wrist phased array*

C-Scan gives you access to a wide range of RF coils, both linear and optional phased array, tailored specifically to provide excellent image quality for imaging the knee, ankle, foot, elbow, wrist, and hand.



The Compact E-MRI

The Esaote Group

The Esaote Group is a leading international corporation developing, manufacturing and marketing non-invasive imaging and non-imaging diagnostic equipment. Headquartered in Italy, its subsidiaries are located in the USA, Germany, France, Holland and China with a global distribution in over 50 countries. The three main product lines of the Group are ultrasound equipment, magnetic resonance dedicated systems and non-imaging diagnostic instrumentation for cardiology and neurology. Another major activity of the Group is the supply of turnkey hospital systems.

Esaote Quality

Esaote S.p.A. is a ISO 9001 and EN 46001 certified company and all products are marked CE. Esaote's high quality standards are maintained during all phases of the process, from product development to manufacturing, from pre-sales client support to post-sales service and application assistance.



Windows NT® is a registered trademark of Microsoft Corporation
DICOM® is a registered trademark of the National Electrical Manufacturers Association



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