



WITH  
**eXP**  
Technology

**Oscan**  
Dedicated MRI

Take Pride  
in Performance

**e**saote

# Introducing the O-scan

Introducing the star performer in MRI for extremities, the world has been waiting for.

Now more than ever, patient comfort, quality, exam times, workflows and overcoming economic challenges are fundamental requirements in today's healthcare scenario. The O-scan therefore represents a perfect response to these issues.

The O-scan, is a new and Outstanding MRI for extremities that is characterized by the FIVE Ps which are cornerstones for effective MRI, proving that Esaote is well tuned into current customer requirements.



# O-scan & the five Ps

- **Power**

Power is not just about technical capacity, it is also a state of mind. O-scan changes your perspective on MRI and allows you stand out from the crowd making it a truly “empowering” experience for the user and patient.

- **Performance**

O-scan is result oriented and therefore fully customized to efficiently do its job, producing high quality musculoskeletal images with a high throughput.

- **Pride**

We all want to take pride in what we have and what we do and the O-scan allows you to do just that. A high tech MRI system, very nice Italian industrial design, unique patient comfort, high quality images; an Esaote extremity MRI with attributes valuable for both patients and users.

- **Partnership**

Esaote is the ideal partner in MRI, whatever your specialization, be it Radiology, Orthopedics, Sports Medicine. O-scan is in fact the result of over 15 years of experience working closely with customers.

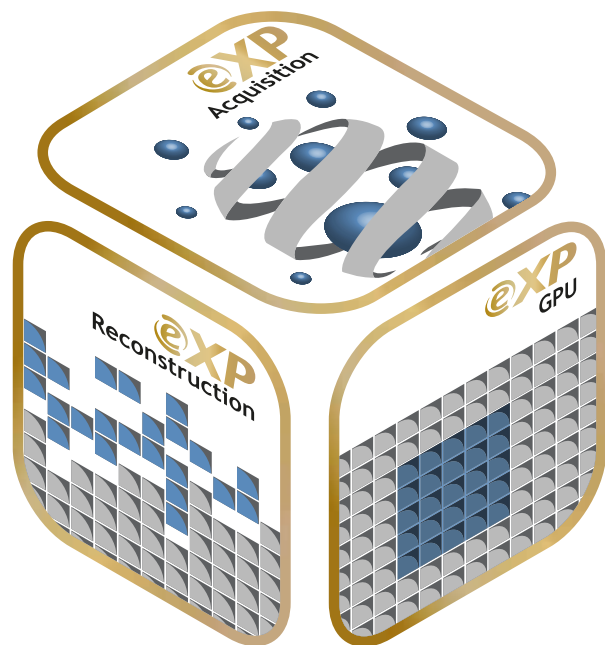
- **Pace**

In today’s fast moving environment you need to keep up to speed technically as well as economically. With O-scan you choose the fast-track for your high-tech diagnostic services and last but not least for return on investment.



# @XP Technology

@XP Technology\* provides faster overall system response thanks to a number of sophisticated MRI software techniques and a high-power workstation.



@XP



## @XP Performance enhancements

By combining sophisticated acquisition and reconstruction methods such as SpeedUp and TR reduction (Patent pending), eXP will substantially improve the MRI examination by reducing scan times and improving image quality.

\* eXP Technology is an optional package for O-scan



DPA Knee Coil



Knee FSE T2 Sagittal



DPA Hand/Wrist Coil



Wrist XBONE Sagittal



DPA Foot/Ankle/Elbow Coil



Ankle STIR Sagittal

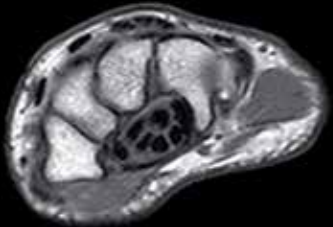
# Meeting High Standards



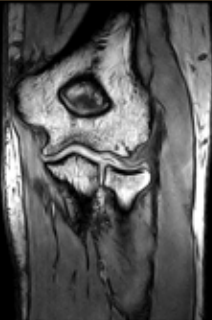
Knee 3D SHARC Axial



Knee XBONE Sagittal



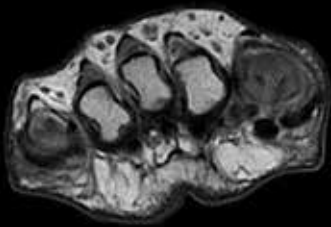
Wrist SpinEcho T1 Axial



Elbow 3D SHARC Coronal



Ankle GE T2 Coronal



Foot SpinEcho T1 Axial





# MRI in motion, Breaking traditional barriers

O-scan takes account of the need for higher throughputs in Radiological settings and Orthopedic practices. It can easily work alongside whole body scanners in Radiology departments, freeing-up the time for major clinical cases therefore allowing you to improve your work flow and provide an optimal patient experience. In orthopaedic centers it can give direct access to MRI without having to make another appointment, saving both time and costs for the patient and the healthcare provider.

With the O-scan, the faster track to MRI for extremities, you can **BREAK TRADITIONAL BARRIERS**.



# A perfect synergy

The unique features of O-scan can be appreciated by users as well as patients, a perfect synergy for in-patient and out-patient services.

- Powerful, compact permanent magnet
- Advanced coil design
- High image quality
- Low power consumption
- Low running costs
- Light weight
- Integrated RF shielding
- Large opening
- Open MRI exam
- Maximum patient comfort



# O-scan, Hassle-Free MRI

## Windows® Interface

The O-scan is easy to use and learn as it uses Windows® functionalities. The interface and protocols are custom designed for extremity MRI purposes which speeds up and simplifies the examination procedure considerably.

## Remote

All Esaote systems come with remote service capability. Many system parameters and system components can be checked via the remote service program specially developed for Esaote MRI systems. Using the remote connection, it is possible for Esaote application specialists to verify image quality and help the local operator set exam parameters. Moreover, it shortens reactions times and improves the time to repair as service visits can be made more efficient with the service technician.

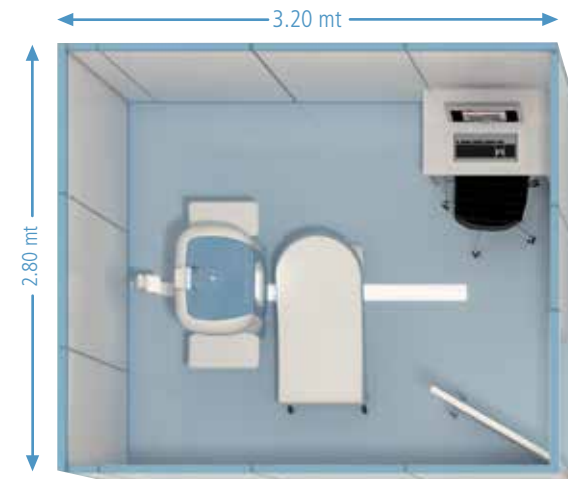
## Connectivity

O-scan comes with all network, archiving and documentation features to work either stand alone or as part of an integrated environment. It has an integrated DVD archive and retrieve software package, printer facility and a patient CD package. O-scan is also DICOM compliant and offers smart solutions for connectivity and teleradiology:

- DICOM image transfer to any PACS or Workstation
- DICOM worklist capabilities allowing the system to be connected to a centralized registration system
- E-MRI Viewer: an Esaote standalone software which transforms a normal PC into a DICOM viewer.

## Installability

The O-scan does more in less space. The innovative design and unique structure minimizes the total space required for installation. Due to its low weight and extremely small 5 gauss footprint, the O-scan can be installed in virtually any office or practice with ease, accommodating the needs of both small diagnostic practices and large radiology departments.





# O-scan, The Power of Comfort

All Esaote MRI systems have patient comfort at heart and the O-scan is no exception. Its optimal ergonomics not only eliminates claustrophobic reactions, it also gives maximum comfort and stability even to much larger patients.

Patient positioning is simple, easy and fast with O-scan, also thanks to the real-time positioning device.



The real-time feature allows you to start the scout scan and check patient positioning directly from the gantry.



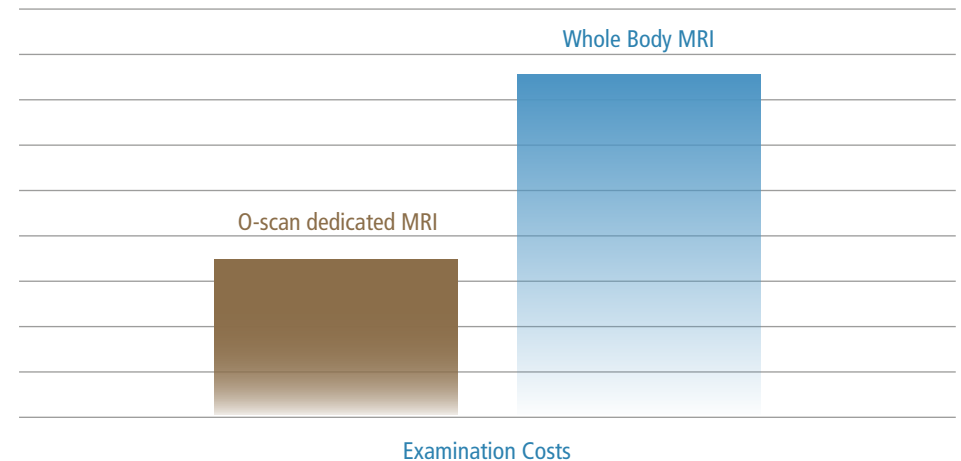
# O-scan, Technology that works for you

- Open permanent magnet
- 0.31 Tesla field
- Max RF power: 1500 W
- Shimming: passive
- Gradient:  $\pm 20$  mT/m
- FOV: 14 cm
- Very compact, installation space of 9 m<sup>2</sup> required
- Low Power Consumption: only 1 kW in normal 220/110 V power outlet
- Complete set of dedicated DPA coils



Easy installation, ease of use, low maintenance technology, low energy consumption, no cryogen, remote service possibility make O-scan a very smart investment even for sites with a low workload.

One patient per day break even.



# Esaote, From Success to Success

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

Esaote's ever growing family of innovative dedicated systems MRI products have been on the market for over 20 years with over 2500 systems worldwide.

Esaote's long-term strategy is to maintain its leadership position in dedicated MRI with products that reflect market needs. By working closely with its customers, Esaote aims at exceeding expectations rather than just meeting them.

Evolution is Esaote's continuous improvement program which ensures product and service enhancement as well as increased customer satisfaction.

- Continuous improvement of performance, features and services
- State-of-art technologies upgrading possibilities
- Investment protection and maximised return on the investment





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