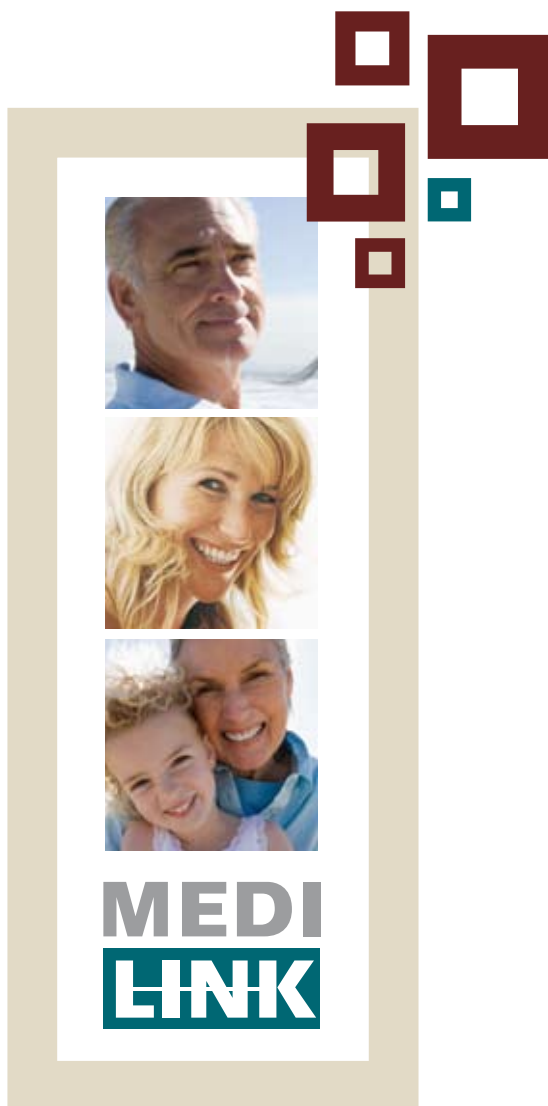


MEDIX 90



PROGRESS THROUGH INNOVATION



MEDIX 90

Medilink, the leading European bone densitometry manufacturer that brought you the revolutionary technology Digital Flash Beam is pleased to bring you the newest innovation in our product range, the Medix 90. The Medix 90 is the complete, fast solution designed to meet the needs of bone health specialists in today's demanding medical environment.

Based on the reference technology in the bone densitometry field, the Medix 90 features the Digital Fast Beam, making it a versatile device permitting fast examination times (60 sec.) without compromising on accuracy. Adapted to all types of structures, including high-workflow practices, the Medix 90 is the ideal solution for routine osteoporosis screening and it guarantees a maximum return on investment.

Manufactured in an ISO certified factory, the Medix 90 meets the highest standards for quality and precision.

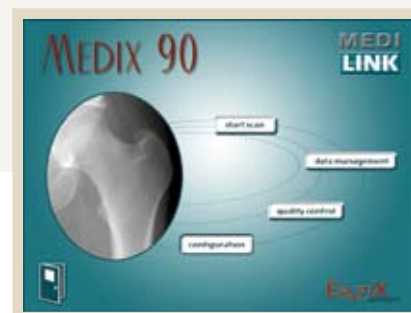
← presentation

Eazix

The software platform that puts everything at your fingertips.

Eazix is Medilink's software interface dedicated to optimizing the acquisition, processing, storing and recalling of your data. While capable of the most sophisticated functions, Eazix's ingenuity lies in its simplicity – it is remarkably user-friendly, making all essential information accessible with the simple click of a button.

The **MEDIX 90** takes full advantages of this software interface to include powerful diagnostic tools that are easy to use and that ultimately help to improve efficiency and patient workflow.



The Smart Comprehensive Tool for Osteoporosis Screening

**Fast Exam
Time:
60 sec
Low radiation**

Complete Exam Mode

With a fully automated exam mode, from calibration to data processing, the Medix 90 was especially conceived to *improve practitioner's workflow*. In addition to calculating bone densitometry on the three sites implicated in the detection of osteoporosis: hip, spine and forearm, the Medix 90 includes the most relevant options for complementary exams, including *Total Body, Orthopedics and Pediatrics*.



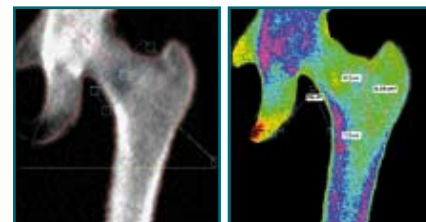
Twin-hip



Precise comparative information can be obtained for BMD measures in both hips in order to detect the lowest measurement and obtain the most complete information for diagnosis.

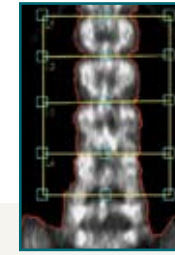
Morphometric tools

Automated morphometric tools enable easy and fast access to information, such as length, area and angle measurements for any part of the bone. The "femur density" mode delivers a color mapping of the femur density, and a BMD scale. These measurements yield quantitative bone information and help to better qualify the bone status.



Automatic ROI selection

The Region Of Interest (ROI) is automatically selected in order to minimize operator involvement and to improve the accuracy and reproducibility of results.



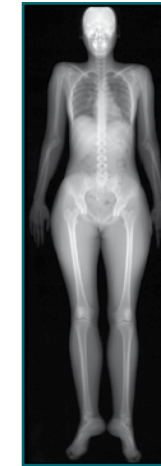
Orthopedics

The orthopedic application delivers accurate BMD measures around the prosthesis, for a smart implant management.



Total Body

The Total Body option provides information about total BMD and body composition, enlarging the application range of the Medix 90 and opening the door for other disciplines.



Digital Vertebral Assessment



The lateral image of the spine obtained with the Digital Vertebral Assessment (DVA) makes it possible to assess the risk of vertebral deformity or fracture, using the Genant semi-quantitative method.

Pediatrics

The pediatric option makes it possible to evaluate the BMD in children.

Combi-scan

Two exams (hip and spine) can be performed in one single operation thus improving workflow and comfort for both patients and users.



Consultation mode

The new Medix 90 was designed to help practitioners optimize their consultations: thanks to the Eazix platform with multi-criteria search modes and multi-user capacities, retrieving reports takes only a few seconds.

Multi-report function

BMD measures and image results are combined on a concise, single sheet format in order to clearly present the most important diagnostic information. The doctor has the choice of

viewing several exams of the same patient from the same day or from different exam days. This presentation ensures a complete diagnosis and easy follow-up.



Connectivity (Archiving and DICOM)

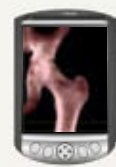
Workstation

Connect to the device's data from a distance.

Prescriber
Gynecologist
Orthopedist
General practitioner
Endocrinologist
Rheumatologist...



Radiologist in private practice or adjacent hospital

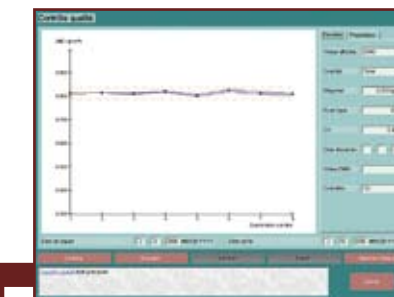


Mobile terminal



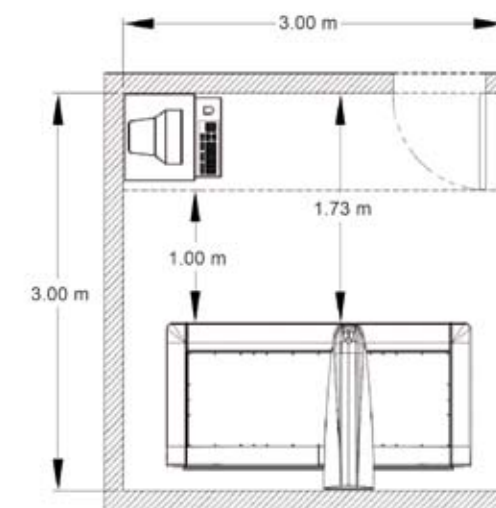
PACS

Exam room



Quality control

Automated everyday quality control ensures the accuracy and stability of the measures taken by the Medix 90. An alert message is automatically set off in case a difference is found in the results. A detailed daily control report can then be printed or sent by e-mail for the follow-up work.



DICOM Compliant

RIS & PACS

Email and Fax

Tele-maintenance and tele-training

Technical Specifications

X-ray system

- Dual "energy" X-ray Absorptiometry (DXA)
- Digital Fast Beam with X and Y kinematics
- Energy splitting using Samarium filters

Method of analysis

- Pre-regulated exam modes: exam parameters adjust automatically based on patient's morphology
- Personalized options: motor drive speed (mm/sec); selectable image height and width

Calibration and quality control

- Quality control using external phantom
- QC trend plotting integrated in the software
- Control of internal calibration between each scan
- Auto-calibration disk integrated: reduces noise level and improves reproducibility and accuracy
- Dual-beam collimator: optimizes image quality and patient dose for each exam site

EaZiX Software fully compatible with Windows XP and VISTA

- Archiving system on CD, DVD or external hard drive
- DICOM compatibility (Push & Print 3.11, Worklist) (option)
- Patient follow-up graphs

- Detailed color print out of report (bone + reference curve + analysis report + operator comment + follow-up)
- Multi-report for comparative purposes
- Calculation of standardized BMD (Comparison to Nhanes III normative data of the femur)
- Morphometric tools (distance, angle, area) ex: hip length axis
- Density display in color scale
- Multi-user (different profiles can be configured: technician, doctor, etc.)
- Personalized multiple reference populations data
- Telemaintenance software (option), network connection needed
- Touchscreen (option)
- Multi language software available

Minimal hardware configuration

- PC Processor 2.5 GHz or better
- 512 MB RAM
- 60 GB hard disk or better
- CD burner
- SVGA display monitor resolution 1024 x 768 or higher
- Touchscreen (option)
- Color printer
- Windows XP or better
- LAN port on USB port for communication

Scan time and doses

- | Type of scan | Best scan time |
|--------------|----------------|
| Spine | 60 sec |
| Hip | 60 sec |
| Forearm | 60 sec |
- Maximum operator dose: <math><0.5 \mu\text{Sv/h}</math> for typical usage (negligible)
 - Distance to operator: 1m

Dimensions and weight

- L 240 x W 125 x H 145 cm
- 250 kg/ 521 lbs

Environmental requirements

- Ambient temperature: 20 - 27°C (68 - 80.6 °F)
- Humidity: 20% - 80%, relative humidity, non condensing
- Electrical requirement:
 - 110 VAC +/-10% 10A 50/60 Hz
 - 230 VAC +/-10% 5A 50/60 Hz
- No external shielding is required
- As part of our continued efforts to respect the environment, we have chosen a mattress that does not contain PVC.

Precision

In vitro - In vivo <math><1\%</math>

Applications

- Calculation of BMD, BMC, surface, T-score and Z-score
- Automatic and manual selection of Region Of Interest (ROI)
- AP Spine (L1 - L5)
- Lateral Spine BMD
- Hip: femoral neck, trochanter, intertrochanter, Twin hip
- Forearm (1/3, mid and ultradistal region)
- Total body: total BMD and body composition
- Combi Scan
- Twin Hip
- Pediatrics (option)
- Orthopedics (option)
- Digital Vertabral Assessment (DVA)
- Fracture risk
- Advanced Morphometry Tools
- Customizable reference data
- Nhanes III curves



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