



NEW

*FDX Visionary* - DR



NEW

*FDX Visionary* - A

A Complete Range of Solutions for  
Bone Densitometry...

## ***FDX Visionary - DR***

The **FDX Visionary - DR** is an advanced system using **2D-Fan Beam** technology to perform fast and high image quality examinations. It provides a comfortable diagnostic experience for both patients and practitioners.

## ***FDX Visionary - A***

The **FDX Visionary - A** is a fast pencil beam DXA system for bone health specialists seeking a cost effective and powerful solution for evaluating bone structure and assessing fracture risk.

# ...and Body Composition Analysis

## Multi-Site

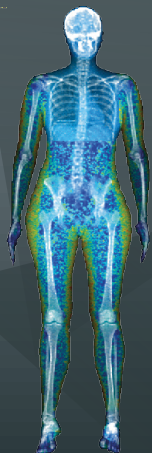
Full body composition results are available over several sites of the body, for full body mapping: left leg, right leg, left arm, right arm, left ribs, right ribs, T-spine, L-spine, pelvis. The large scan area provides comprehensive analysis of body composition.

## Powerful Metabolic Tools

Based on extensive research, these sophisticated calculation tools quickly measure fat and lean tissue percentage and distribution in the body. In addition to these parameters, other types of metabolic data are calculated to assist health and sports professionals (fat mass index, basal metabolic rate, android/gynoid ratio).

## Multiple Applications

A wide field of applications include software to help manage elite athletes, women's wellness, and weight management. Body composition is also particularly useful in supporting the diagnosis of certain disorders and optimising treatment programs (obesity, cystic fibrosis, anorexia, wasting syndrome, chronic renal failure).



## Trending & Follow-Up

Patient data analysis includes graphs and colour mapping that provides an intuitive tool for diagnosis and communication.

## Visceral Adipose Tissues (VAT)

The patented algorithm estimates visceral and subcutaneous adipose tissue in the android area. This DXA method provides an alternative to CT for monitoring the effects of patients' diet or cardiovascular risk.



# ***FDX Visionary*** - DR

The FDX Visionary - DR is an advanced system providing excellent image quality and enabling bone densitometry practitioners to deliver fast examinations.

## **2D-Fan Beam**

Based on a 256-element multi-array detector, the **2D-Fan Beam** is a technology designed to provide the highest image resolution for an optimal diagnosis.

## **Applications**

The **FDX Visionary - DR** provides a wide range of applications for routine and advanced exams including orthopaedics, paediatrics and body composition.

## **Fast & Precise**

Designed to perform examinations in 15 seconds per site, making it one of the most powerful solutions available.

## **Connectivity**

Multiple users on different workstations can quickly import or export exams through DICOM from **FDX Visionary - DR** to the PACS and RIS.



# ***FDX Visionary - A***

A competitive solution for routine DXA scans, offering optimal patient comfort.

## **Fast Pencil Beam**

The Digital Fast Beam is an improved version of the pencil beam. The technology allows the **FDX Visionary - A** to be the fastest pencil beam device on the market and to provide better image quality.

## **Complete Solution**

With a full range of applications, the **FDX Visionary - A** provides routine bone densitometry evaluation and body composition analysis.

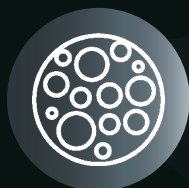
## **Compact Version**

The **FDX Visionary - A** has been designed in a compact version to enable our DXA system to be installed in smaller rooms.

## **Optimised Workflow**

The intuitive software is designed to help practitioners optimise their exam analysis, diagnosis, patient follow up and data processing.

# Standard Diagnostic Tools



## BMD

Bone mineral density ( $\text{g}/\text{cm}^2$ ), is the amount of bone mineral in bone tissue. Based on the BMD, for each site the T-score and Z-score are calculated.



## Femur/Dual Femur

The femur is an essential site for fracture risk measurement. For accurate analysis, a dual femur is also recommended.



## Forearm

The forearm site offers analysis for particular patient cases (obesity, spine arthrosis, orthopaedic material).



## AP-Spine

Spine (L1-L5) is also an important site frequently coupled with Femur for diagnosis.



## DVA

Digital Vertibral Assessment offers a radiographic type image for automatic morphometric measurement of lateral spine and its GENANT table classification. Also available in AP positioning.



## Hand

In paediatric mode, the image can be used to determine bone age. *(Only available on FDX Visionary - DR)*

# Additional Applications



## FRAX

A method from Sheffield University based on a patient questionnaire, used to define risk fracture. Available for more than 50 countries.



## Orthopaedics

Orthopaedic mode provides bone density calculation around prosthetics (knee, elbow, shoulder, hip) and Region of Interest (ROI).



## Paediatrics

Paediatric mode provides various bone analysis parameters for the young population.



## ROI Selection

The automatically selected ROI can be modified at the discretion of the operator in order to take a very precise area into account.



## Quickview

Fast mode allows acquisition by optimising the workflow.



## Easy Scan Repositioning

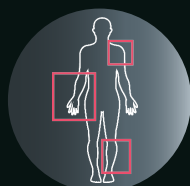
On screen assistance for easy patient positioning.



## HSA

The Hip Structural Analysis (HSA) program measures structural geometry of cross-sections in the proximal femur (HAL, FNA, IH, FNAL) to predict fracture risk.

# Body Composition



## Whole Body Segmentation

Multiple region segmentation to analyse fat and lean mass.



## Colour Mapping

Colour mapping according to the distribution of bone, fat and lean mass.



## VAT & SAT

Analysis of visceral fat and subcutaneous fat in the abdomen.



## Metabolic Data

Calculation of various metabolic parameters including android/gynoid ratio, body mass index, fat mass index and basal metabolic rate.



## Sarcopenia

Appendicular skeletal muscle index measures the loss of skeletal mass, quality, and strength associated with sarcopenia.

# Operator Tools



## Reference Population

Each site's own reference population can be developed in addition to the existing database.



## Workstation

Remote workstation solution available.



## Data Export

Data export from system to network (PACS/RIS) via DICOM.



## Automatic Letter

Automatic letters can be printed for patients or doctors from different letter templates.



## Patient Trending

Follow-ups can be monitored through graphs and tables which provide an analysis and evolution of patient data over time.



## Personalised Report

DXA reports can be generated and personalised according to the practitioners requirements.



## Data Import

Data can be imported from existing and third party systems, enabling the clinician to maintain all data when renewing the platform.

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