

# *moviplan iC*

*Latest generation X-ray system*



*radiology ahead*

# it grows efficiency, the productivity is on the up

Moviplan iC is the latest-generation X-ray system, combining all of the features of modularity, ease of use and functionality needed for a radiology centre that wants to increase productivity and efficiency, in any working situation.

Complete **modularity** means a system that can be tailored to meet any logistical and operational requirement, while its extreme **ease of use** means a system that offers rapid and intuitive controls, thus greatly improving workflows. The wide range of combinations and **functions** turns Moviplan iC into a multifunctional system, capable of performing a wide variety of exams in optimal fashion on any type of patient.



The X-ray table, available in adjustable or fixed height versions, is designed to provide *plenty of movement* of the floating table which, combined with the potter bucky's extensive movement allows the patient's X-ray coverage without his repositioning, so reducing the preparation time of the exam.

The original system for unlocking movements uses *photocells* on the base of the table, which in the elevating-table versions is illuminated by white LED lights. The table is so robust that it can easily accommodate bariatric patients and it's so close to the ground when it's lowered that it's very easy for patients of all ages to sit on the table, allowing also to carry out some exam on patients in wheelchairs.

A real care was dedicated to the design of the table: its large surface area that is totally smooth with no raised edges, makes it easy to transfer the patient from stretcher to table, simplifying in the meantime the cleaning process.



*design*  
*& performances*

# modularity for every budget

## Versions with column

The version of Moviplan iC with table and floor column is the right solution for medium size operative room that can perform a huge range of exams and applications, meeting the various diagnostic needs of every radiology centre.

The system's extreme modularity makes it possible to tailor configurations to the operational needs of the customer as well as to budgetary considerations.

Even the basic configuration of the Moviplan iC, which has the **column with LCD interface**, has all of the features needed to perform the typical projections required by an X-ray system.

The intuitive commands make the system easy to use, making it simple for operators to take over even after brief training. In addition, **auto-tracking** functions, which serve to keep tube and detector aligned and parallel, make the system even easier and faster to use.





In the high-end versions, the intuitive **touch screen** user interface integrated into the X-ray tube head means that all of the main system parameters can be handled with just

a few touches. The device can also be equipped with a series of motorised movements, thus enabling various advanced functions, such as **electronic tomography**, **stitching** and **auto-positioning**, according to the specific procedure required by the examination.

The column X-ray system can be completed with the **Tele iC chest stand**, available in fixed or tilting version. Its wide vertical movement and its detector centre's minimal distance from the ground offer maximum application versatility, which means that in many cases there is no need for other additional devices for examining the lower limbs.



*application versatility*

# a complete and versatile X-ray system

## Ceiling-suspended versions

The configuration with the *ceiling suspension Lem Plus iC* is the perfect solution for X-ray rooms which need to prepare examinations as quickly as possible, and require *great application flexibility* and *high production capacity*.

The complete motorisation of the movements and efficient *handling of examination protocols* enable the automatic positioning of the device, according to the type of anatomical projection required, reducing the necessary time to change the type of exam.

The Moviplan iC system with Lem Plus iC is thus an extremely valuable diagnostic tool which is always ready for use, optimises workflows and increases X-ray room productivity. Despite its advanced technology, Moviplan iC is very easy to use, due to its intuitive *touch screen* graphical interface which is an integral part of the X-ray tube head, which provides the operator with an immediate overview and control over the main system parameters. The ceiling suspension system provides complete effortless freedom of manual positioning, which is especially important in emergencies.

Ergonomic handles with integrated movement activation pushbuttons make it possible *to position the device rapidly, effortlessly and precisely*, while the extensive movement along the three axes enables the whole X-ray room to be covered. Additionally, the cables are hidden, which enables the operator to move the equipment around with greater confidence.

In combination with the Lem Plus iC, the elevating table can be configured with the *photocell barrier* to unlock movements on both sides, which makes the system even faster to use. The combination of the Lem Plus iC ceiling suspension system with the tilting Tele iC chest stand is another ideal solution for situations where rapid performance and position flexibility are fundamental, such as in A&E diagnostics.

The *adjustable structure* of the chest stand, with the particular horizontal rotation of the detector support, means that every type of projection can be performed with the patient in orthostasis or on a stretcher.





*high throughput*



# digital imaging at your fingertips

## VDX digital panels

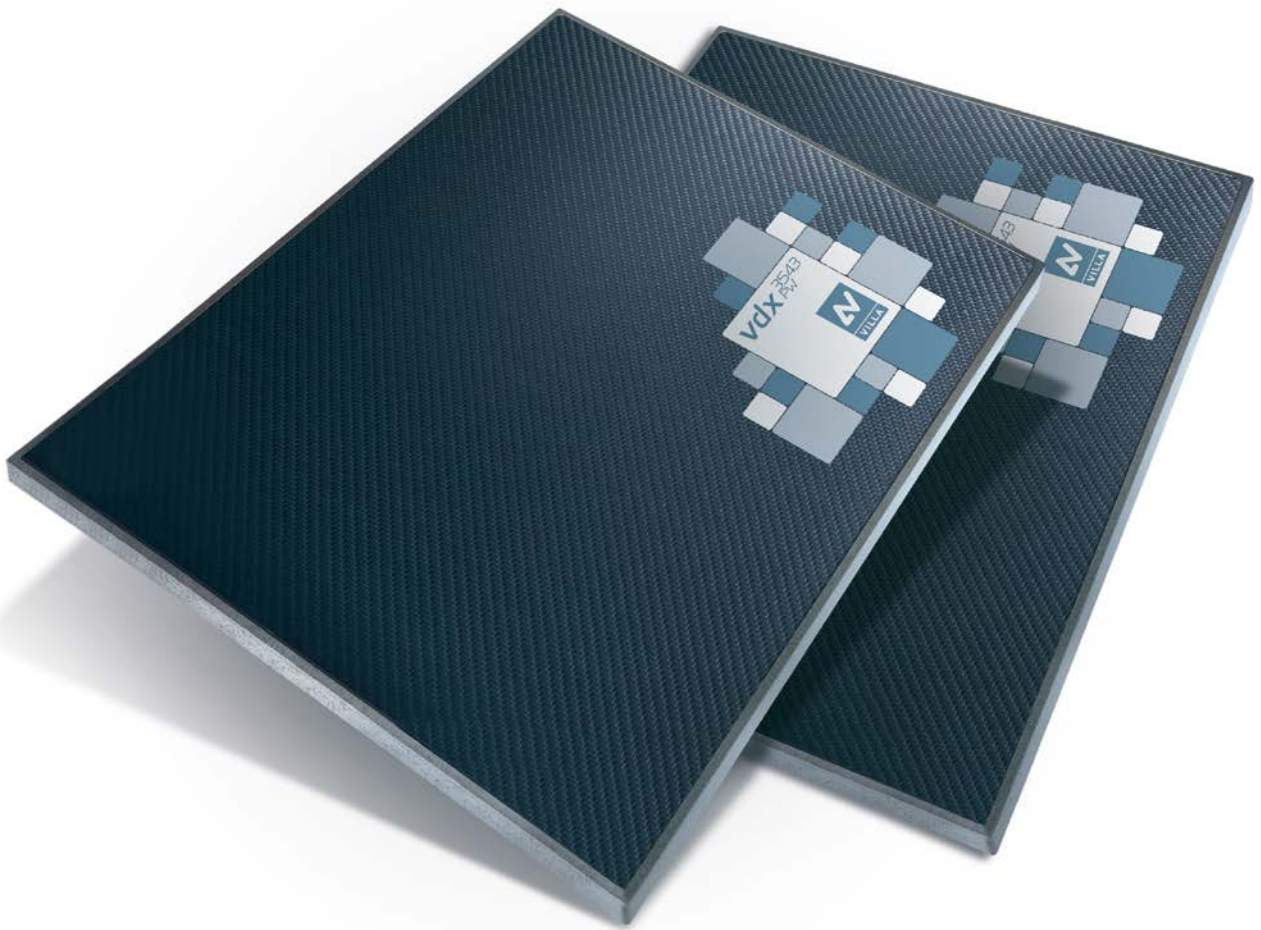
Moviplan iC's application and diagnostic potential is expressed to the full when the family of **VDX digital panels** are used. Available as a fixed or portable solution, they offer maximum configuration flexibility in the X-ray room.

VDX portable detectors are the **simplest** and most **versatile** solution for optimum configuration of a Moviplan iC digital system. Their light and manoeuvrable structure provides the equipment with a wide range of possible applications, as they can be moved from the table to the chest stand according to the requirements of the examination, taking exposures both outside the bucky or at direct contact.

The panel with a cable for power and images transmission is the lower-priced option, whereas the **wireless** version is more innovative and flexible, with all the freedom of a conventional cassette.







*simple  
& flexible*



If a dedicated working place for acquiring larger anatomical areas is needed, the fixed VDX panel (with a **surface area of 43x43 cm**) can be integrated into the system, either on the table or in the chest stand.

In order to meet all of the application requirements, the acquisition system can handle **multiple sensors**, which means that the Moviplan iC can be configured using single or dual panel VDX solutions, combining a portable detector with an integrated one.

The Amorphous Silicon with Caesium Iodide (CsI) technology makes all of the VDX panels highly sensitive to X-rays, producing clear images at low dose.

# enhancing the diagnostic content



## DROC acquisition software

All VDX panels are controlled from an acquisition and processing workstation equipped with powerful **DROC imaging** software, designed to maximise the workflow in a digital X-ray system.

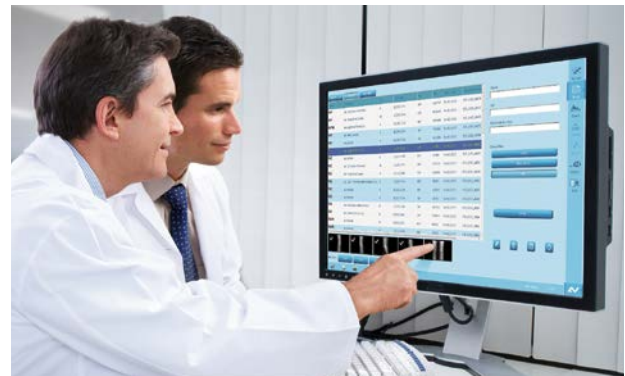
The intuitive graphical interface, designed to work with **touch screens**, simplifies the learning phase, guiding the user through a series of icons depicting X-ray projections, while the availability of **anatomical programmes** makes it possible to select exposure parameters automatically, thus speeding up the system setting phase.

Following acquisition, the software automatically applies **specific processing algorithms** for the projection, enhancing the details and harmonising the visibility of the anatomical structures, thus coming up with images of outstanding quality in seconds, and thus enabling immediate diagnosis.

There is also a complete set of processing tools, which can further enhance the content of the image.

The application capability of the digital system is extended even further by the advanced **stitching** function, which acquires a series of exposures and automatically combines them into a single image, in order to give a single view of larger anatomical areas, such as the spine and the lower limbs. In the totally automatic configurations, with the auto-positioning function, the workstation sends to the radiographic system the information needed to reach the exact working position for the examination required.

The innovative **Dual Energy** technique also enables selective display of tissues of different densities through exposures at different energy levels, enabling the operator to clearly discriminate structures which are otherwise hard to identify on conventional radiographic exposure. Finally, **DICOM functions** enable the digital system to be integrated efficiently with hospital HIS/RIS and PACS systems, thus rounding off the operating efficiency of the digital X-ray system.



*digital  
quality*





## *radiology ahead*

### Competence in x-ray systems

Villa Sistemi Medicali is one of the most important manufacturers of radiological systems worldwide. Leveraging more than 50 years of experience in X-ray field, the company's know-how covers all technologies which can create a modern radiographic examination room.

### A wide range of equipment

Our range of products includes:

- Digital X-Ray systems
- Remote controlled tables
- Classical tilting tables
- General rad rooms
- Mobile units
- Surgical C arms
- Mammography
- Dental units: intra-oral, panoramic and 3D.

### Our priority: Technical Service

A wide network of highly skilled service engineers ensures effective and reliable maintenance of all Villa Sistemi Medicali equipment installed worldwide. Preventive maintenance programs and service contracts are defined by our qualified personnel and adapted to the needs of our customers.

### Logistic services: a global presence

Villa Sistemi Medicali daily provides full systems, spare parts, accessories and consumables, shipped regularly to all our customers, worldwide, using the most efficient couriers. Shipment modalities include ground, ship, air and inter-modal freight transport.



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