

A woman with long, dark, wavy hair is looking towards the left of the frame. She is wearing a pink top over a grey shirt. In the background, there is a computer monitor and some medical equipment, suggesting a clinical or radiology setting.

**PHILIPS**

*DuraDiagnost*

Digital radiography

Release 4.1

# Efficient DR room like no other

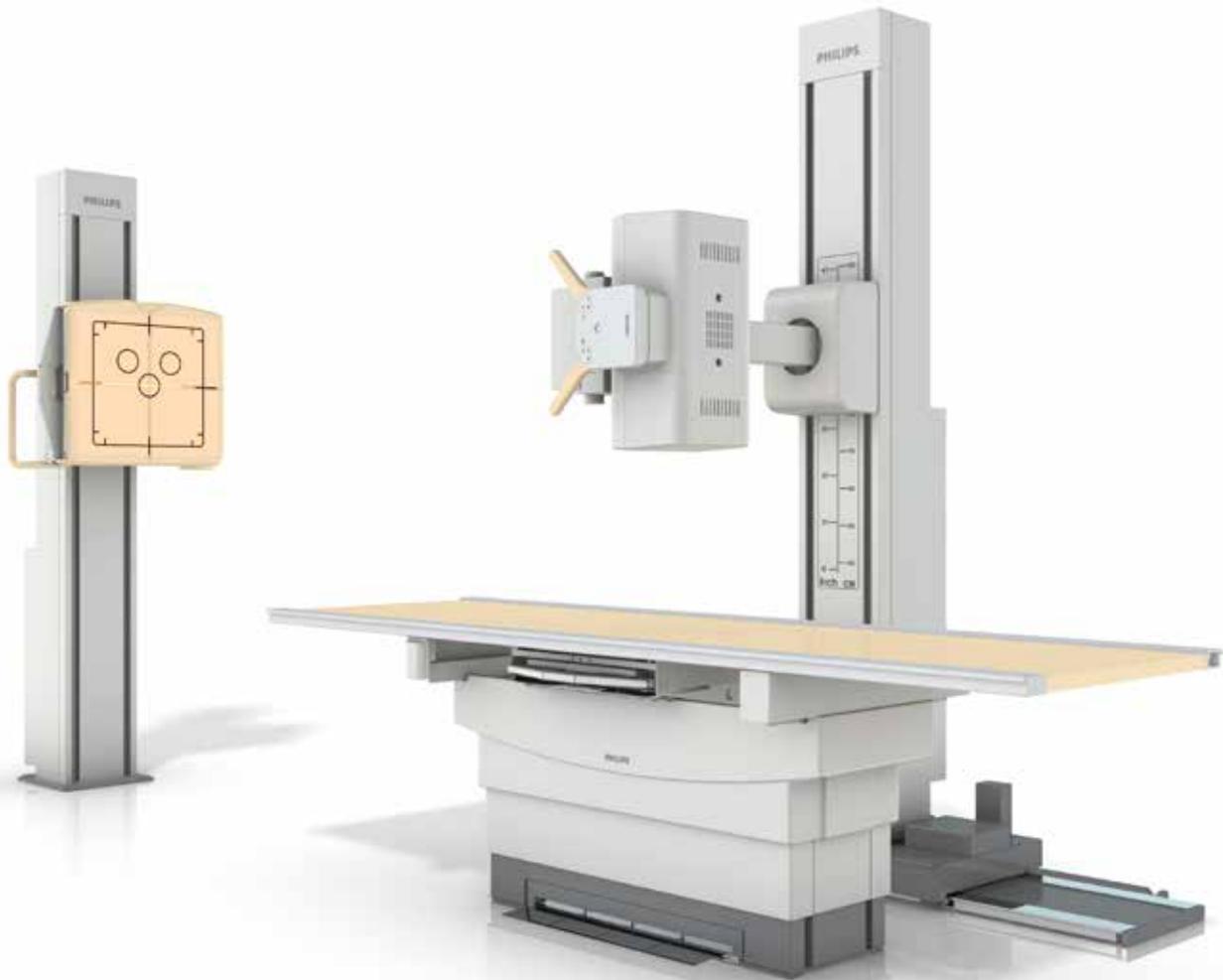
Philips DuraDiagnost Digital Radiography Solutions

# Flexible DR for **smart, cost**

Experience high reliability, ease of use, and diagnostic confidence

Enjoy a radiography system designed for reliable, consistent performance and low cost of ownership. Philips, a leading provider of digital radiography for the over 20 years, presents DuraDiagnost family.

Equipped with our latest generation of fixed / wireless portable detectors and state-of-the-art IT standards, DuraDiagnost provides your patients a fast, smooth examination, your staff an easy-to-use confident imaging environment, and your facility a reputation for quality”.



# effective care

## Productivity in many forms

Fully featured, compact, or value oriented. Designed for chest, supine, and other general radiography examinations. Whatever you need, you can choose a room configuration that best suits your requirements.

Each solution offers high quality Philips components, making the DuraDiagnost robust and effective. Our world class flat detector, Philips X-ray tube, Eleva user interface, and new UNIQUE 2 image processing, combine to achieve excellent image quality and high system uptime.

Make smart use of your financial resources. Discover how the DuraDiagnost can enhance the capabilities of your radiology department.

## Key benefits

- Superb diagnostic confidence
- Ease of use
- High reliability
- Latest IT standards

“We found DuraDiagnost a trustworthy system, offering efficient workflow to meet our clinical needs. It is a perfect fit. The imaging chain of the lightweight SkyPlate plus the Eleva workstation and UNIQUE imaging process software, delivers excellent quality images. The wireless detector technology enables free exposure and easy patient positioning. DuraDiagnost has been a friendly DR solution for our technicians to work with due to its ease of use and short learning curve. We are very satisfied with the capabilities of our DuraDiagnost Digital Radiography solution.”

Prof. Dr. med. Walter Wiesner CEO Radiologie  
Nordost Diagnostic Centers Switzerland\*

\*Results are specific to the institution where they were obtained and may not reflect the results achievable at other institutions.

# Enhance your workflow

## with DuraDiagnost Efficiency room

When increased patient volume pushes your existing radiography resources to the limit, the DuraDiagnost Efficiency room can help. Available with a variety of options, the Efficiency room is capable of handling a full range of applications including chest, abdominal, and extremity examinations.

Both DuraDiagnost Efficiency rooms comes fully outfitted with two detectors, vertical stand, X-ray tube floor stand, and table. The distinction is found in the detector and table combinations.

### Benefits of two detectors

In the High Performance setup, the fixed detector is set into the vertical stand, while the wireless portable detector is used with the height adjustable table. The system geometry can be easily and quickly positioned for sitting, standing, and supine patients.

### Workflow efficiency/ease-of-use

With its flexible configuration, workflow efficiency is enhanced. The use of two detectors supports fast exams and high patient throughput. Overall ease-of-use makes it a valuable diagnostic tool for confident decision-making.

Efficiency room HAT	Height adjustable table and two fixed detectors
Efficiency room HP	Height adjustable table, one fixed and one wireless detector

### Key benefits

- Reliable performance with high system uptime
- Diagnostic confidence with quality patient care
- High patient throughput enabled by workflow efficiency



PHILIPS

# Demonstrate financial responsibility with DuraDiagnost Value room

The dedicated Value room offers you a cost-effective opportunity to enter the DR workflow. Central to this performance oriented system is SkyPlate, our lightweight (2.8 kg, including battery), cassette-sized, wireless portable detector. SkyPlate can be easily moved between table and vertical stand to accommodate a wide variety of chest, abdominal, and extremity examinations.

## Simple, yet fully functional

A floor mounted tube stand, your choice of elevating or fixed height table, and a vertical stand complete the configuration. Its most cost-effective feature, the SkyPlate detector, can be positioned in the table, vertical stand, or used free of both.

The room has been designed to provide a comfortable patient examination experience. Simply choose the table type and begin.

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Value room HAT	Height adjustable table and one wireless detector
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## High image quality at a reasonable price point

Although positioned as a cost-effective introduction to DR, the Value room showcases Philips reliable digital imaging chain for consistently high quality images. There is no need to sacrifice quality to fit your budget.





## Key benefits

- Ease of use by intuitive/ ergonomic design of handling
- Reliable performance with full application capability supported by cassette-sized wireless portable detector
- Diagnostic confidence with excellent image quality and reliable performance

# Efficient workflow

## supported by ergonomic design

Each feature of the DuraDiagnost is designed to assist with the speed, quality, and consistency of your overall examination efforts.

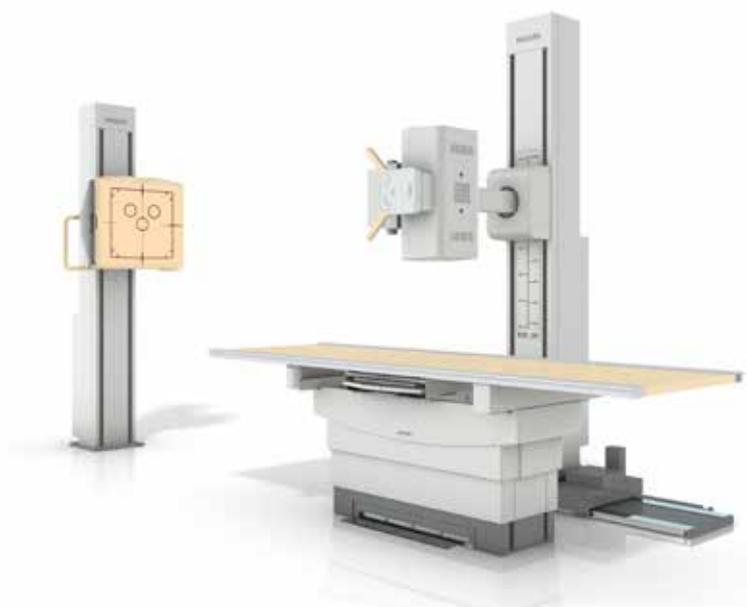
### Default Source to Image Distance (SID) (For Efficiency rooms, Value rooms)

DuraDiagnost's SID positions are designed to facilitate fast positioning and can be adjusted to support all general radiography examinations.

Default Position 1 – SID 110 cm  
Default Position 2 – SID 180 cm

### Coupling and de-coupling\* (For Efficiency rooms and Value rooms)

The X-ray tube and detector can be coupled for most straight projections and decoupled for oblique projections.





**Comfort Align**  
(For Efficiency rooms, Value rooms)

Comfort Align facilitates laser-assisted alignment between X-ray tube and detectors.

**SmartOne button**  
(For Efficiency rooms, Value rooms)

This intuitive button allows users to easily execute geometry movements with just one finger.



# Choose from our variety of latest detectors

DuraDiagnost offers fixed and wireless portable flat detectors depending upon the room configuration you select.

## Key benefits

- Designed for a long life of reliable performance
- Light and easy to handle for diverse procedure types
- Philips quality imaging for diagnostic confidence

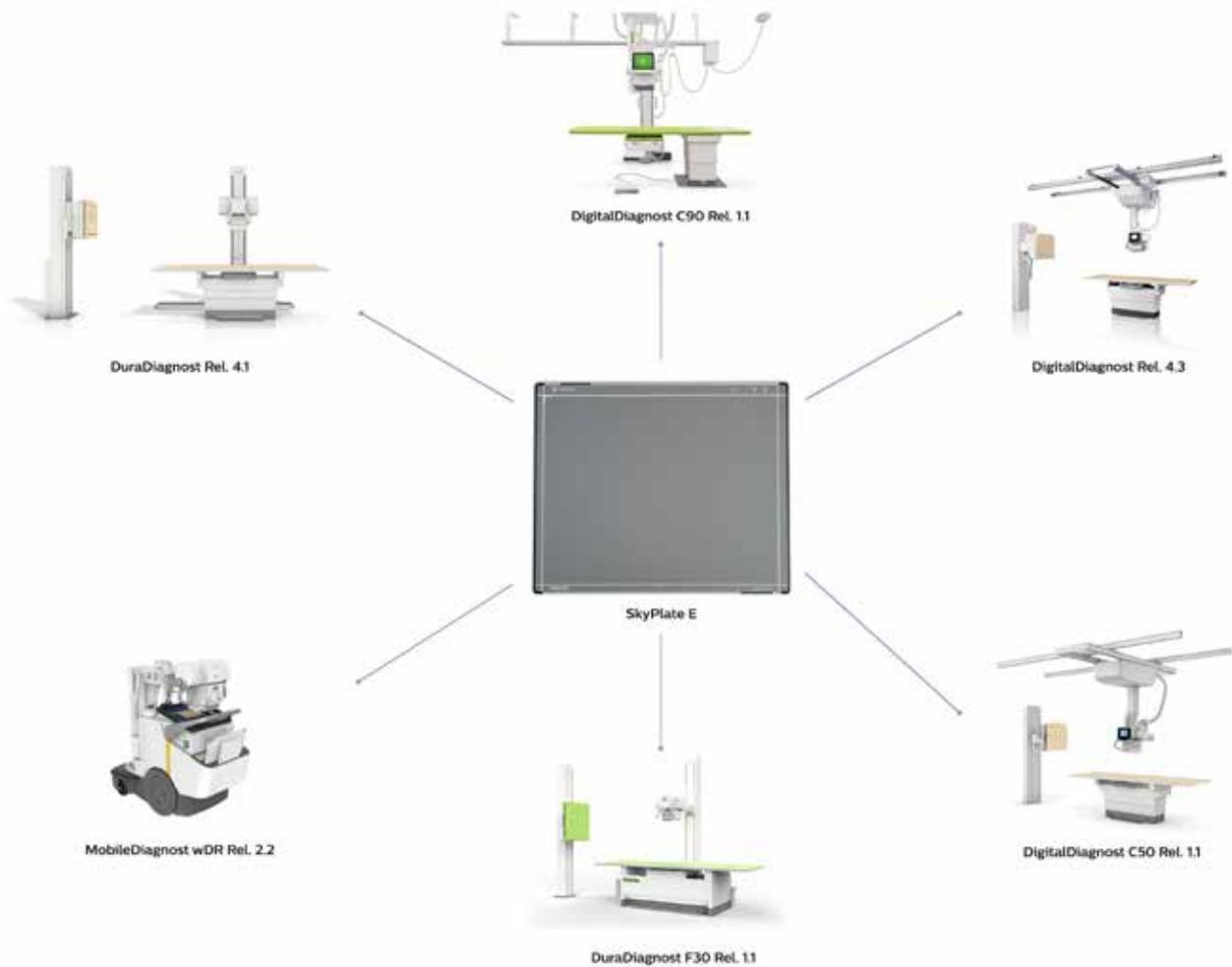
### Designed for rigorous use

Philips digital fixed detectors and the SkyPlate detectors feature superb image quality at a low X-ray dose with high DQE and MTF.

You can benefit from extended configuration and budget flexibility thanks to table and vertical stand trays for the large SkyPlate detector and the Skyplate E\*, as well as the option to share both SkyPlates across compatible Philips DR systems

Fixed flat detector and SkyPlate detectors

Detector	Fixed detector	SkyPlate large	SkyPlate E
Scintillator	Cesium Iodide (CsI)	Cesium Iodide (CsI)	Cesium Iodide (CsI)
Detector size	43 cm x 43 cm (17" x 17")	35 cm x 43 cm (14" x 17")	35 cm x 43 cm (14" x 17")
Image matrix size	2,840 x 2,874 pixel	2,330 x 2,846 pixel	2,156 x 2,653 pixel
Pixel size	148 µm	148 µm	160 µm
A/D conversion	16 bits	16 bits	16 bits
Active area	42 cm x 42.5 cm (16.5" x 16.7")	34.48 cm x 42.12 cm (approx. 13.6" x 16.6")	34.5 cm x 42.5 cm (13.6" x 16.7")
Detector pixels	8.2 Megapixel	6.6 Megapixel	5.7 Megapixel
Image resolution	Up to 3.4 Lp/mm	Up to 3.38 Lp/mm	Up to 3.125 LP/mm



Not all products are available in all markets.

### Sharing freedom

A variety of SkyPlate sharing combination allows you to efficiently utilize your budget and customize the implementation of your detectors. You can quickly share the SkyPlates among the latest system releases of DuraDiagnost rooms, DigitalDiagnost rooms, MobileDiagnost wDR units, and the analog to digital upgrade ProGrade. There are plenty of sharing options available which can enhance detector, system and room utilization.

### Key benefits

- Lower initial investment while providing a high level of flexibility
- Back-up solution to provide constant uptime
- Smart starting point for expansion, i.e. adding more SkyPlates to your department in the future

# Dependable

## Philips DR imaging chain

DuraDiagnost shares the same generator and Philips tube configuration found on Philips premium DR systems. This dependable digital imaging chain delivers high-quality, virtually distortion-free images time after time.



### **Powerful X-ray tube**

Our X-ray tubes allow excellent performance over a long lifetime with faster cooling than a conventional tube, designed for uninterrupted operation and low lifecycle costs.

### **Versatile generator**

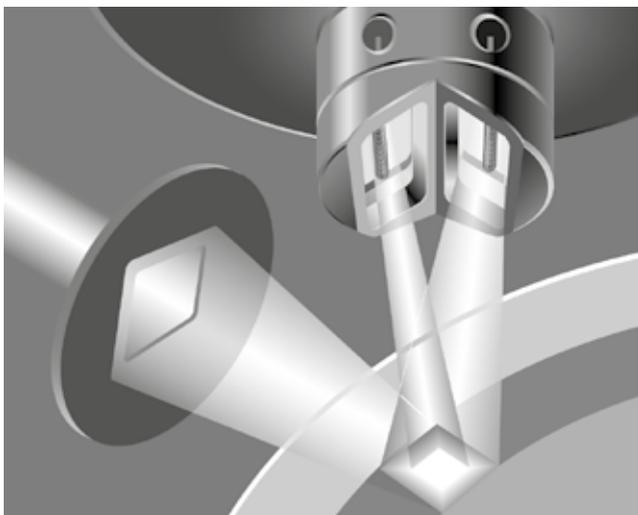
DuraDiagnost offers a wide application range from bariatric to pediatric thanks to flexible generator options (50 kW, and optional 65 kW). The generator control console is integrated in the Eleva user interface to streamline workflow.

Anatomical Programmed Radiography (APR) settings make it possible to X-ray patients according to application, thereby

eliminating wrong or missing filters. With automatic exposure control (AEC) the exposure time is set according to exposure voltage and object characteristics in order to automatically obtain the correct exposure.

By choosing the VarioFocus option you'll benefit from a generator feature that uses both the small and large tube filaments simultaneously. In this way you are always using an object-optimized focal spot and optimum geometric resolution. This may result in longer tube life.

The Philips DR imaging chain enhances quality in clinical care.



### Key benefits

- X-ray tube designed for extended, uninterrupted performance
- Generator control integrated into Eleva user interface
- Consistent, high-quality, virtually distortion-free images, time after time

# Intuitive

## Eleva user interface

DuraDiagnost is managed by our Eleva user interface, which provides all the tools and controls necessary for seamless procedures.

This one common platform is easy to learn and use, and is highly suitable for streamlining your radiography department. It is the same harmonized user interface found across our premium DR systems.

### Seamless integration

With the Eleva workspot, it takes three easy steps to get an image after exposure. All images and information are integrated into hospital networks such as RIS/PACS and archiving systems through DICOM.

Eleva uses the information from the radiology images system (RIS) to automatically set the right pre-adjustments for image processing, printing, and export to PACS or printer.

### Simplified exposure control

All generator functionality is fully integrated into the Eleva workspot. You can easily adapt exposure parameters by choosing from our pre-programmed settings and applying them right from the workspot.

### Key benefits

- Common platform and intuitive user interface
- Easy to learn and use
- Used across a wide range of our radiography imaging modalities





## UNIQUE 2

With UNIQUE 2 (**UN**ified **I**mage **QU**ality **E**nhancement) Philips introduces the second generation of the well-established image post processing software. By increasing the image contrast and reducing noise and artifacts, we address today's radiologists' needs. UNIQUE 2 processed images result in improved visibility of details while the overall impression remains natural.

UNIQUE 2 is seamlessly integrated into DigitalDiagnost C90. The intuitive user interface provides an excellent opportunity to tailor the image to suit your needs. By means of the newly designed interface, image parameters can be easily adapted for each anatomy type, depending on the preferred focus. For ease of use, all settings can be customized through well-structured sliders within the interface. In combination with Philips' state of the art cesium iodide detectors, we provide images at superb quality enhancing your confidence in diagnosis.

### Main benefits at a glance

- Intuitive user interface
- Increased image contrast
- Enhanced details
- Reduced noise and artifacts
- Consistent image impression with homogeneous background
- Excellent contrast harmonization with enhanced details, while the overall impression remains natural



# Superb clinical images for confident diagnoses



## Key benefits

- Fast, easy to acquire
- Superb detail for confident diagnoses
- Consistent, reproducible quality



DuraDiagnost's innovative combination of image acquisition, procedure management, and post-processing, provide you with image excellence and clinical experience. The superb detail present in every image is a result of thoughtful system design, with each element working in unison.

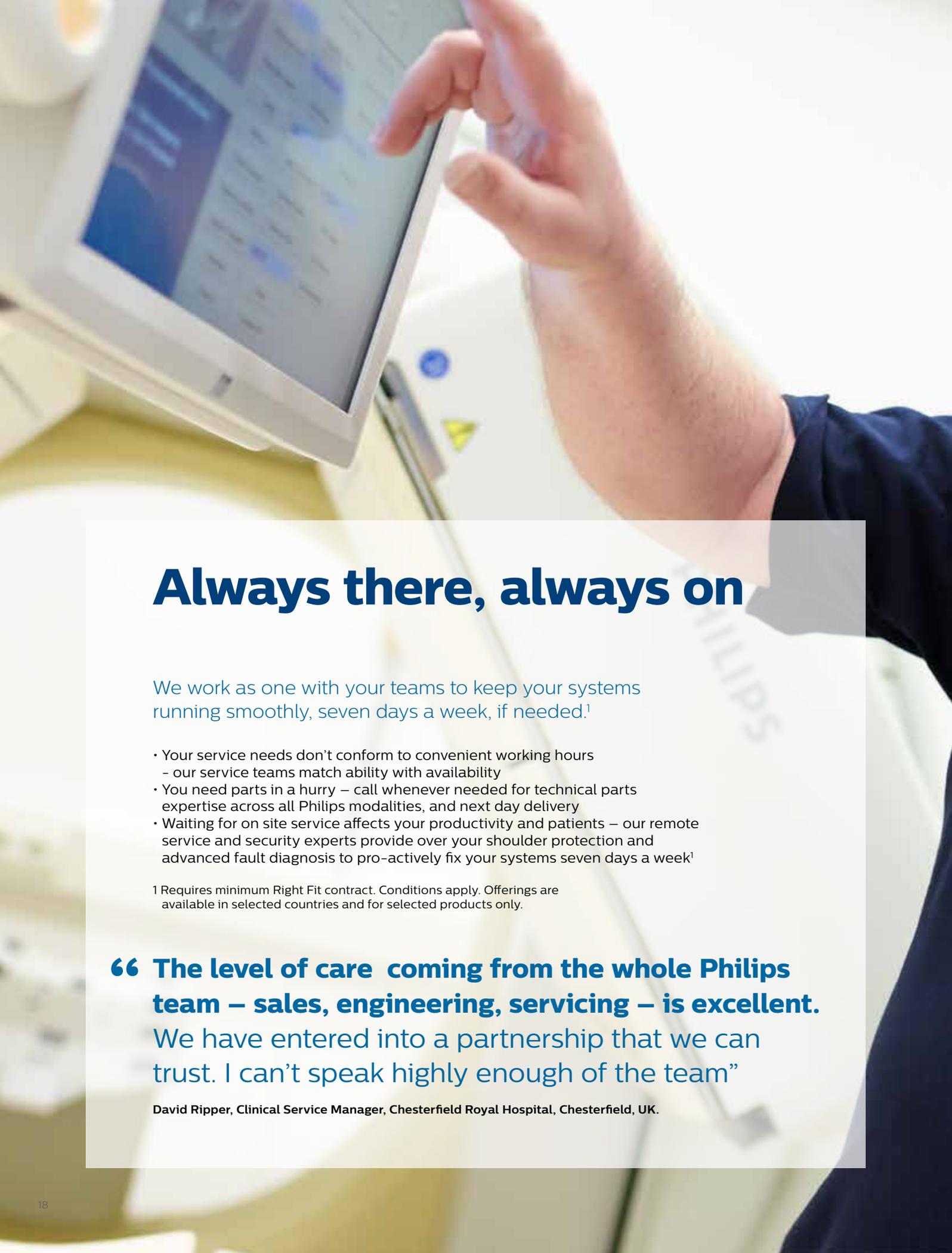
**Cutting-edge digital detector** – for high quality image acquisition

**VarioFocus generator option** – for superb image resolution by use of both the small and large tube filaments

**Eleva user interface** – for easy adaption of exposure parameters and simple, repeatable workflow

**UNIQUE image processing** – for automated contrast harmonization resulting in enhanced detail

Reliable, consistent performance is the trademark of the DuraDiagnost.



## Always there, always on

We work as one with your teams to keep your systems running smoothly, seven days a week, if needed.<sup>1</sup>

- Your service needs don't conform to convenient working hours – our service teams match ability with availability
- You need parts in a hurry – call whenever needed for technical parts expertise across all Philips modalities, and next day delivery
- Waiting for on site service affects your productivity and patients – our remote service and security experts provide over your shoulder protection and advanced fault diagnosis to pro-actively fix your systems seven days a week<sup>1</sup>

<sup>1</sup> Requires minimum Right Fit contract. Conditions apply. Offerings are available in selected countries and for selected products only.

**“ The level of care coming from the whole Philips team – sales, engineering, servicing – is excellent. We have entered into a partnership that we can trust. I can't speak highly enough of the team”**

**David Ripper, Clinical Service Manager, Chesterfield Royal Hospital, Chesterfield, UK.**





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