BuckyDiagnost  Radiography solutions

Creating room
for your visions

PHILIPS
What makes a Rad Room simply perfect?

Room for all your ideas
Efficient, powerful, individual and innovative. This sums up just some of the attributes that makes the BuckyDiagnost concept from Philips the right choice for all those looking for perfect Rad Room solutions for today’s and tomorrow’s challenges.

Designed with a difference
What sets the BuckyDiagnost approach apart from other Rad Room providers is its scalability. Unlike other systems with fixed elements, BuckyDiagnost solutions are built on modular components, which are interchangeable with one another. This means that you have the freedom and flexibility of creating a tailor-made Rad Room that perfectly fits your own needs and desires.

Discover for yourself just how easy and effective radiographic working procedures can be with the BuckyDiagnost scalability concept from Philips and enjoy cutting-edge technology designed for individuals with a vision.
You’re in command
Wouldn’t it be nice to have a Rad Room that adapted itself to you and your requirements instead of the other way around? This is the idea behind the BuckyDiagnost scalability concept from Philips. With it, you have highly flexible Rad Room solutions for all your specific needs both in terms of workflow and budget.

A Rad Room should be as individual as the applications it is intended for. You may want to set up a small room, or a two-rooms-in-one solution. Or perhaps you are interested in taking that first digital step and upgrading your Rad Room with Philips’ CR solutions.

More than 100 ways
With BuckyDiagnost, you and your patients benefit from over 100 different ways of creating your own personal vision of the perfect Rad Room – from specialized, compact systems to high-throughput or multipurpose solutions. And when it comes to quality, you have the comfort of working with one of the world’s leaders in state of the art X-ray systems.
Ability concept that turns your visions into reality.
The room where high performance is at home

Integrated interplay
Philips' high performance room offers you effective operating procedures for all applications. Because this Rad Room is the center of the X-ray action, it is essential that the interplay between every component combines 100% reliability with no downtime, while offering outstanding image quality with every first take. From standard applications to the most challenging diagnosis images, Philips gives you the flexibility you need.

Equally important is high throughput, which is why all components were designed with perfect ergonomics in mind, thus enabling optimized workflow. This can be seen in the smooth running ceiling suspension and counterbalanced tube carrier for easy positioning. The height-adjustable table and tiltable vertical stand offer even more convenience.

An example of a high performance room:
- Ceiling suspension (CS 4)
- Height adjustable table (TH)
- Vertical stand with tiltable Bucky unit (VT)
- Options: APR, automatic collimation, automatic cassette loader (ACL 4), tracking, exchangeable grids
Let your work flow

Philips provides a smooth workflow via a system control handle with cassette size display and optional APR. Its one hand operation also gives you more time for patients. To ensure maximum efficiency add a second table control and automatic collimation.

We care for you

Our CUSTOMer CARE service programs for all Bucky systems ensure excellent support, flexible solutions and effective relationships – providing the service you need to guarantee that your system operates at peak performance today and in the future.
Your standard for standard and small rooms

A smart switch over
A room's configuration shouldn't determine the amount of flexibility. That's why Philips offers innovative solutions that orient themselves on user and patient comfort. This can be seen in our floor stand FS Standard, which is ideal for regular spaces where a ceiling construction isn't possible. An additional benefit is the electronic tomography feature, which enables the switch over from radiography to tomography with just a touch of a button.

Thanks to its size and agility, our floor stand FS Compact is custom-made for smaller rooms. Just like the standard floor stand, the compact floor stand offers excellent maneuverability from various angles. Among other applications, its ergonomically designed L-shaped arm allows for perfect lateral spine exposures.

An example of a small room:
- Compact floor stand (FS Compact)
- Fixed table (TF)
- Vertical stand (VE)
- Option: APR
An example of a standard room:

- Standard floor stand (FS Standard)
- Height adjustable table (TH)
- Vertical stand with tiltable Bucky unit (VT)
- Options: electronic tomography, APR, automatic collimation
The clever turn from chest to basic room

“Scan and go” efficiency
All requirements you need with optimal convenience and performance: the BuckyDiagnost chest room with its ergonomic vertical stand and easy-to-operate floor stand FS Fix is perfect for all “scan and go” operations. Additionally, you can simplify X-ray procedures even more by integrating automatic collimation and tracking. This results in optimized workflow and patient throughput, as well as satisfied practitioners.

Equally attractive for all operators is the fact that you can extend a BuckyDiagnost chest room to a basic X-ray room. By choosing the FS Fix with lateral extension, plus a patient trolley with integrated Bucky unit, you have an operator-friendly basic X-ray system covering all applications.

Set up a basic X-ray room consisting of FS Fix with lateral extension and patient trolley.

An example of a basic room:
• Fixed floor stand (FS Fix) with lateral extension
• Patient trolley with integrated Bucky unit
• Vertical stand (VE)
• Options: automatic collimation, tracking
An example of a chest room:

- Fixed floor stand (FS Fix)
- Vertical stand (VE)
- Options: automatic collimation, APR, tracking
Last, but definitely not least: the trauma solutions

**Life-saving performance**

For trauma situations the utmost importance is on speed, safety and quick diagnosis. The Philips BuckyDiagnost trauma solutions give both operators and patients fast, effective results with a maximum of performance and maneuverability. Due to the fact that the ceiling suspended C-arm can be fully positioned around the trauma trolley, operators have the advantage of performing all necessary functions without having to move the patient.

The trauma solution combined with PCR speeds up the workflow, while offering even greater flexibility and deployment. You’ll benefit from fast, on the spot digital images and PCR cassettes allow for operating freedom. PCR image processing also ensures excellent image quality.

**An example of a trauma solution:**

- Ceiling suspension with TraumaDiagnost
- Patient trolley Traumob X* or any other stretcher
- Options: additional ceiling suspension (CS), height adjustable table (TH), vertical stand (VE or VT) as extension for Bucky applications

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*Not available in all countries

The C-arm allows for all functions without having to move the patient.
AEC and anti-scatter grid

Because time is of the essence, TraumaDiagnost comes with AEC, which correctly regulates the exposure period and thereby inhibits overexposures and underexposures. An anti-scatter grid is also included to enhance image quality.

The all-round trauma configuration

Avoid stand-by time by additionally using your trauma room as a Bucky room. Let TraumaDiagnost and CS4 run in the same rail and complete your set-up with a TH and a VT. This way, you can also carry out standard applications in your trauma room.
And these features make success pretty simple

**Advantages all around**
With Philips, you can count on extremely reliable solutions designed to make your work easy and flexible. We have always been dedicated to researching, developing and creating new ways of making X-ray technology even more effective. This includes all core components, as well as optional features for X-ray systems. Thus, when setting up your Philips radiographic solution, you are assured of a threefold benefit: patient comfort and safety, operator convenience and investment security. Together, these benefits not only improve working procedures but give you the competitive edge you need.

**Success by design**
Philips stands for intelligent design that ensures a speedy workflow. A good example is the system control handle, where all settings are in view. The optional integrated APR in the handle means that you only need one hand for full operations and always have a free hand for your patients. Optional components such as automatic cassette loaders, high-load tables, second table controls and SID-lasers ensure that every examination is as simple and effective as possible.

**The choice is yours**
In addition to the core components, you also have the choice of various optional features that fulfill your specific needs in terms of applications and workflow. The following three possibilities are just some of the many examples of why BuckyDiagnost from Philips is right for you.

**Unique elements**
- System control handle with one break, memory key, and choice of auxiliaries
- High-load tables
- Option: second table control for movement from all sides of the table without using the foot pedal
- Option: automatic cassette loading and self-positioning

**Unique elements**
More speed: automatic collimation
Discover how automatic collimation can significantly speed up your work: cassette size sensing guarantees for smooth operating procedures, thus giving you more time for your patients. Additionally, automatic pre-filter setting of APR makes it possible to X-ray patients according to the application, thereby eliminating wrong or missing filters.

More automation: tracking
Via tracking, you have an intelligent system that offers both you and your patient more convenience and speed. With tube tracking at the table, the SID is kept while the table height is being adjusted. With a vertical stand, the tube automatically follows the position of the image receiver. And when you are equipped with electronic tomography, the Bucky tray does the tracking by following the tube movement at the table, meaning that you can fully concentrate on your patient.

More utilization: electronic tomography
Avoid stand-by time and supplement your X-ray configuration with electronic tomography. You can also look forward to benefits such as the same technology for ceiling and floor mounted systems, as well as easy programming directly at the control handle, which allows you to better care for your patients. Most convenient of all is that there is no rod coupling necessary, which means that a quick switch over to tomography has never been easier.
Your responsibility is our concern

A tradition of trust
Philips is dedicated to offering radiologists and patients a maximum of safety, comfort and performance. It's this commitment to excellence, which has made Philips one of the most trusted names in X-ray technology. Two prominent examples that have contributed to our reputation of innovative excellence are our DoseWise concept and the flexible paths we offer to digital radiography.

Perfect image, perfect sense
Our DoseWise concept ensures optimal image quality, while offering a maximum of protection. Based on the ALARA (“As Low As Reasonably Achievable”) principle, DoseWise combines powerful methods of minimizing radiation by making sure that every exposure results in a diagnostically relevant image.

Patient-friendly: DoseWise
With APR, the energy spectrum of each X-ray beam is automatically adapted to the application in order to achieve optimal image quality with minimum radiation. Thanks to its automatic pre-filter setting, APR also avoids the error of incorrectly used filters. Variofocus ensures an optimized focus for your film/foil combination and application, while regulating the maximum resolution in front of the image receiver.

Additionally, AEC regulates the amount of radiation passing through the patient and projecting onto the film, whereas an anti-scatter grid blocks excess X-rays to enhance contrast. The automatic collimation feature offers even more safety by ensuring that the beam is always limited to the cassette size format, making overframing impossible.

Act wise, DoseWise
- Accurate images with every first take via APR settings
- Prevention of incorrect exposures by terminating the procedure if the beam is too weak
- Automatic exposure control and automatic collimation protect patients against unnecessary radiation
Much more than a first step
When you supplement your BuckyDiagnost components with Philips Computed Radiography (PCR), you have the same flexibility offered by cassette solutions, while simultaneously profiting from a reliable digital workflow and economical digital images. Unlike traditional film cassettes, lost film, chemicals, and conventional archiving are no longer an issue.

Detect the detector solution
If conditions at your medical facility change, and you’re ready to install a digital detector X-ray system, then Philips is your partner of choice as well. The reason is simple: by going digital with us, you can work with the same, trusted hardware you’ve always used. This means that the switchover is easy and economic. And with a similar workflow and same usage, you’ll be able to step into the digital age in no time. Put your trust in Philips and discover the benefits made possible by exchanging your Bucky tray for a digital detector.
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Interested?
Would you like to know more about our imaginative products? Please do not hesitate to contact us. We would be glad to hear from you.

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