

Discover the future. CR systems of DÜRR MEDICAL

CR 43 VET

Automatic Image Plate scanner

Technical Data

CR 43 VET

Resolution	Continuously selectable between 25µm and 200µm
Dimensions (H x W x D)	113 x 41 x 46 cm
Weight	56 kg
Power supply	100-240 V / 50-60 Hz, max. 250 Watt
Temperature range	10 to 35° C
Noise Level	< 39 dB(A)
PC-Connection	Ethernet (TCP-IP protocol)
Software	DÜRR MEDICAL Net-Exam
IT-Requirements	For requirements refer to www.duerr-medical.de
Image Plate Sizes	18 x 24 cm 24 x 30 cm 35 x 43 cm
Maximum cassettes/hour	~68
Standards	Laser class I (EN60825-1)

DR 6 VET

The new intra-oral high-performance X-ray sensors



CR 7 VET

The compact image plate scanner especially for intra-oral films



image plate cassettes for CR 43 VET

Available in three sizes:
18 x 24 cm • 24 x 30 cm • 35 x 43 cm



CR 35 VET

The ultra mobile to start-up system Also for small formats for dental application



Highest efficiency
on smallest foot print



DÜRR NDT GmbH & Co. KG
Division DÜRR MEDICAL
Höpfheimer Strasse 22
74321 Bietigheim-Bissingen
Germany

www.duerr-medical.de
info@duerr-medical.de

MADE IN GERMANY



What is CR? How does it work?

Computer radiography (CR) provides digital replacement of conventional X-ray film and at the same time offers huge advantages, because the consumption materials are nearly eliminated and the time to image can be reduced considerably.

As well as this the digital images can be used directly by other users and can be archived easily. The work process is greatly simplified and as the pictures can be optimised using the software, the analysis is also more safe.

The CR technology works in 3 steps.

The Image (storage) Plate (IP) is exposed with X-ray or Gamma radiation, which causes the IP phosphoric layer in the plate to store the X-ray image.

During the reading process of the plate in the scanner, a focused laser beam triggers the release of the stored X-ray image data in the form of visible light. The emitted light is detected and captured, then converted into electrical signals which are digitized and finally displayed as digital images on the monitor of the associated computer.

The internal eraser purges the residual data from the IP, which is then ready for the next exposure.



▶ **Cost Reduction**

▶ **Improved handling**

▶ **Increased efficiency**



Acceptance

Excellent Image quality comparable to film level or better



Increase of income

Short process time, less consumables



Experience

Technology proven in more than 20.000 units



MADE IN GERMANY

Development and Production in Germany

Why CR-technology of DÜRR MEDICAL

DÜRR MEDICAL has a commitment to deliver products tailored to the individual applications

CR systems of DÜRR MEDICAL therefore offer e.g. the possibility to work with different resolutions dependent on the requirements.

So you have always the appropriate device, regardless whether it is for a horse, dog, cat or reptile.

▶ **ISO 9001 certified**

▶ **Approved technique**

▶ **Specific to veterinarian**



CR 43 VET • Always the perfect resolution



200 µm

100 µm

50 µm

30 µm

Resolution

No matter whether horse or reptile. Always the perfect resolution - serially!

CR 43 VET • Intelligent solutions smartly packaged



Adaptive erasing

According to the application the erasing intensity can be adapted

Contact-free image plate entering

Completely contact-free image plate transport. 25.000 scratch-free scans

Completely automatically

Insert the image plate cassette and remove after scanning, the rest is done by itself

Space saving

Smallest foot print of its class

Experience the simple and fast operation of et-Exam

The intuitive operation of the software console guarantees easy and safe working anytime.

By means of easily understandable pictograms you select the correct examination in a second.

The innovative architecture of the software allows the operation of different scanners on demand.

Full DICOM functionality is also self-evident as well as the connection with practice administration systems using BDT/GDT, HL7, and as proprietary interfaces.

We have realized the fully automatically image optimization for individual quick results to your personal preference.

But just in case you are not satisfied with automatically individualized image, a simple finger tip on the touch screen is sufficient.

Software cannot be easier than this.

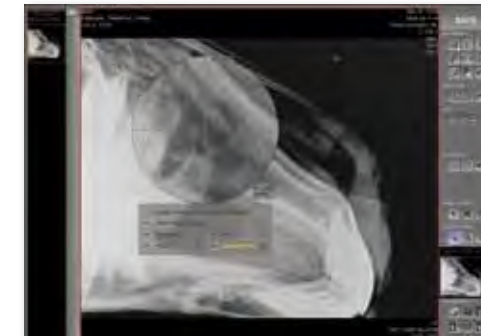
Intuitive operation

Quick integration

Individually adaptable



Easy and fast achievement of perfect results with the innovative et-Exam



Configurable measuring magnifier

With help of the configurable measuring magnifier your diagnostic is being supported by reasonable additional functions. E.g. apart from the pure enlargement you have the possibility to fade in a measuring stick cross.



Search function for comparison recording

Wide range of search tools allow a comparison of X-ray examinations, also from different patients.



Prosthesis planning (optional)

As an option there is also the possibility to provide a integrated prosthesis module for the surgery planning



Measurement tools

A high number of measurement tools, e. g. the shown HD measurement for dogs save a lot of effort and support you with your diagnostics.



Resolution

Continuous adjustment Resolution between 25µm to 200µm



Intelligent

Adjustable individually according to your preference



Touch operation

Quick and easy operation by touch



Adapt

Simple operation and reliable operation



Network / Stand alone

Fast connected to the network or installed as single station



Robust

Long-lasting and sturdy cassettes



Fits always

Small design meets highest Quality



Image Plate cassettes

Image Plate cassettes available in three Standard sizes