

# CR 43 VET

Automatic Image Plate scanner



Highest efficiency  
on smallest foot print

MADE IN GERMANY

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**DÜRR  
MEDICAL**

# CR 43 VET • Discover the advantages of digital radiography

## What is CR? How does it work?

Computer radiography (CR) is the digital replacement of conventional X-ray films, but at the same time it offers huge advantages.

The CR Technology works in 3 steps.

The Image Plate (IP) is exposed with a regular X-ray generator, which causes the IP phosphoric layer within the plate to store the X-ray image.

During the reading process of the plate in the scanner, a focussed 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.

The digital image can be used directly by other users and can be archived easily. Consumables are almost eliminated and the time to image is reduced considerably.

CR Technology. Good as film, but much more than that.

▶ **Cost Reduction**

▶ **Improved handling**

▶ **Increased efficiency**



### Acceptance

Excellent image quality  
comparable to film or better



### Profit

Short process time,  
less consumables



### Experience

Technology proven in more  
than 25.000 units



### hand MADE IN GERMANY

Development and  
production in Germany

DÜRR MEDICAL • Experience from 25,000+ devices hand-crafted

### Why CR Technology of DÜRR MEDICAL

The DÜRR patented PCS technology delivers brilliant and high resolutions images with 65,536 grey levels (16 bits dynamics range).

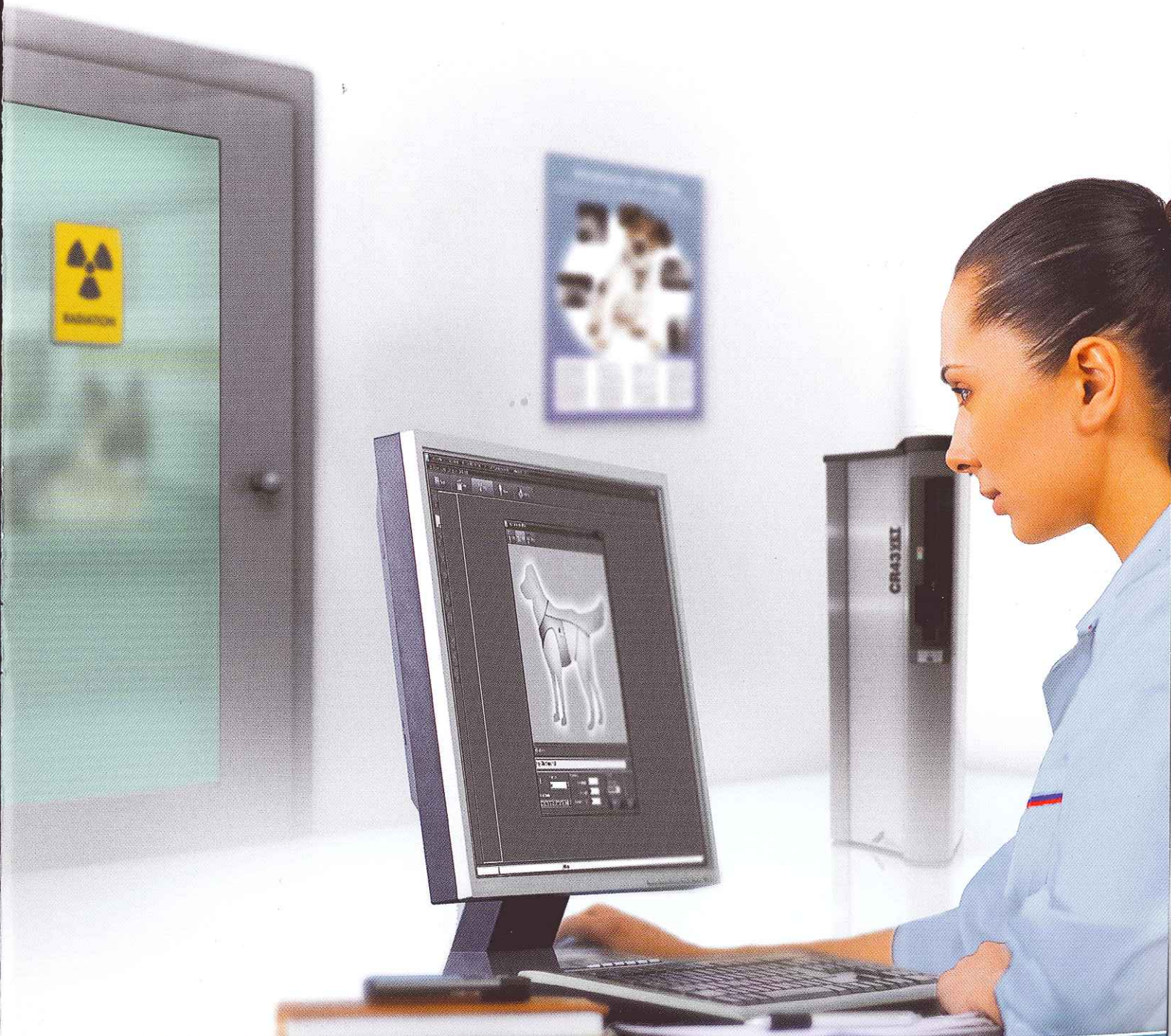
The CR 43 VET combines the best mobility, robust design and highest resolution for all applications of an innovative veterinary practice.

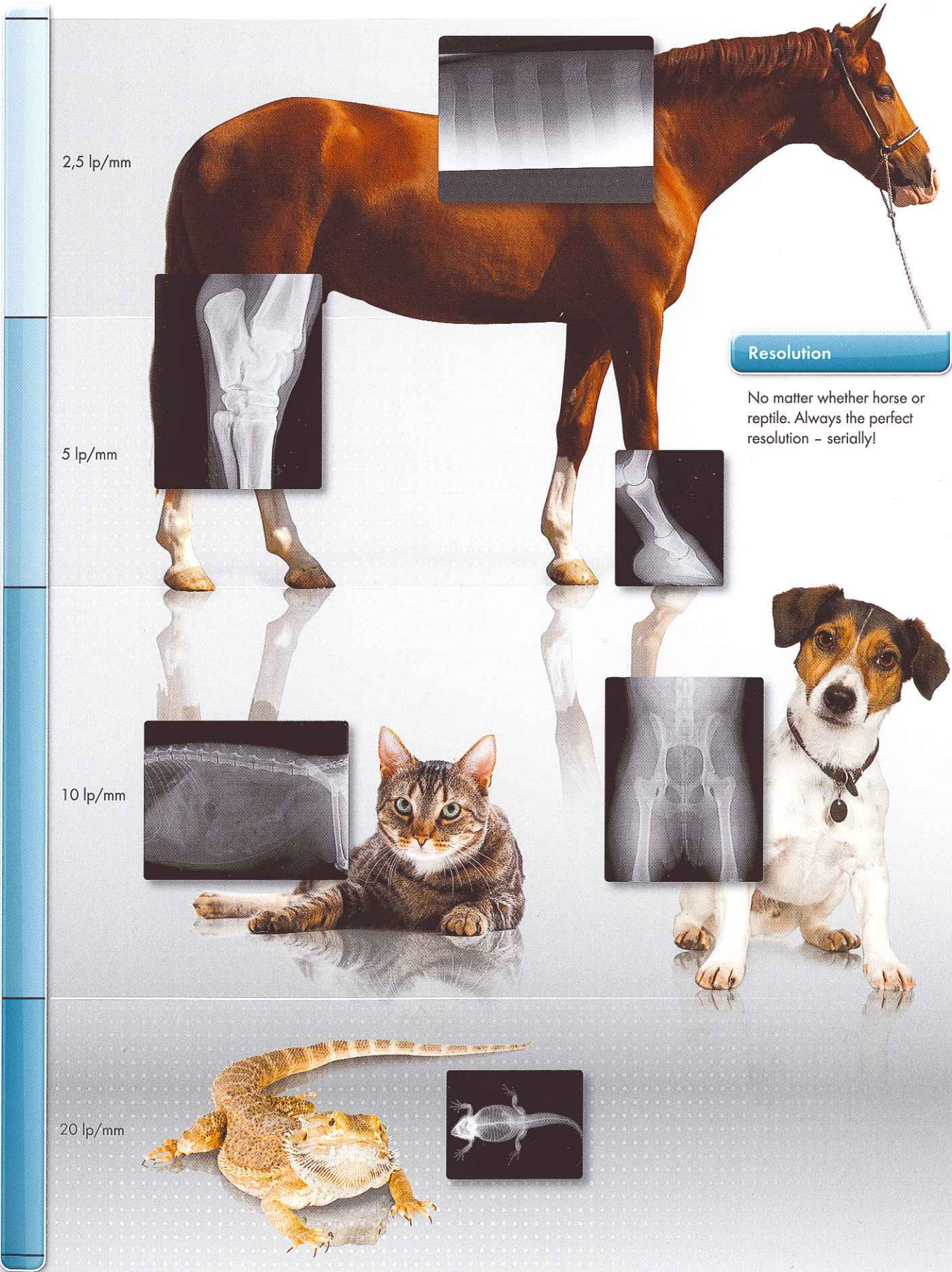
The scanner can be used for mobile and stationary work. Perfect results are always guaranteed.

▶ **ISO 9001 certified**

▶ **Approved technique**

▶ **Specific to veterinary**





**Resolution**

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

# CR 43 VET • Intelligent solutions smartly packaged

## Adaptive erasing

The erasing intensity is adapted to the exposure type in order to avoid ghost images

CR43VET

## Fully automatically

Insert the image plate cassette and remove after scanning, the rest is done automatically.

## Contact-free IP processing

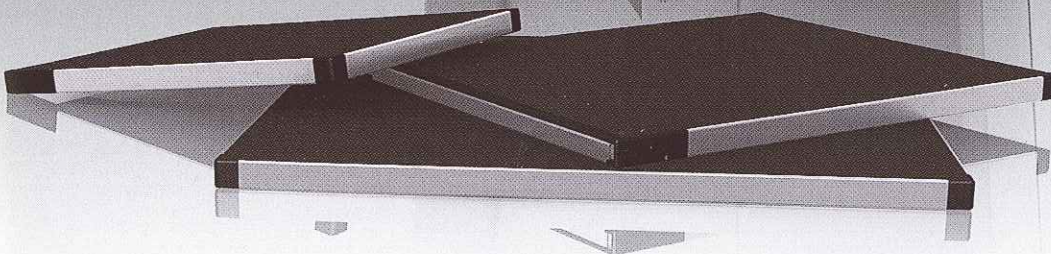
Completely contact-free image plate transport. 25.000 scratch-free scans

## Space-saving

Smallest foot print of its class

DÜRR  
MEDICAL

WEDICVY  
DÜRR



Experience the simple and fast operation of **Net-Exam<sup>plus</sup>**

We truly understand a veterinarian's daily work and therefore designed **Net-Exam<sup>plus</sup>** carefully to perfectly support you.

The software comes as an ALL-IN-ONE solution, enabling you not only to acquire digital images from the scanner and digital flat panels, but also to make your diagnosis, all required measurements and annotations and it even works like a proper PACS.

**▶ Intuitive operation**

**▶ Quick integration**

**▶ Individually adaptable**

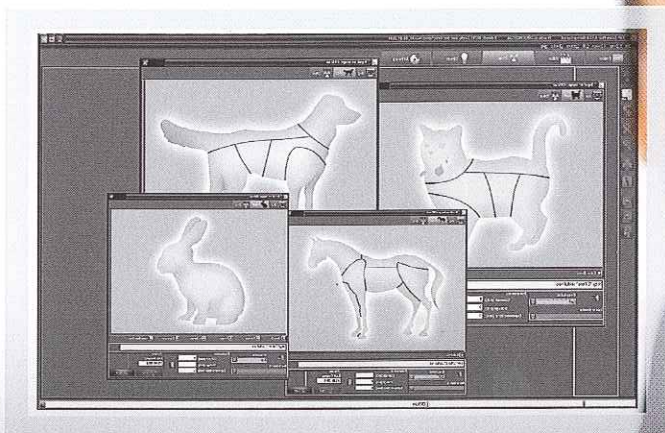
But it offers even more. **Net-Exam<sup>plus</sup>** also supports your video hardware like endoscopes or intraoral cameras and also your ultrasound unit. For marketing purpose, it even allows you to produce individually adapted reports with your practice logo and style.

DICOM functionality is of course self-evident as well as an interface to almost every practice management software.

To ease the workflow, we realized the fully automatic image optimization for quick and perfect results, according to your personal preference.

Manual optimization remains always possible.

**Net-Exam<sup>plus</sup>** • Software - easy as you expect.



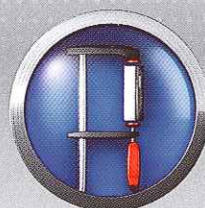
**Resolution**

Stepless between 2,5 and 20 lp/mm



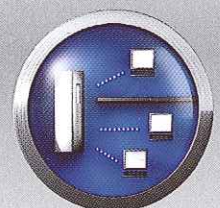
**Robust**

Long-lasting and sturdy cassettes



**Fits always**

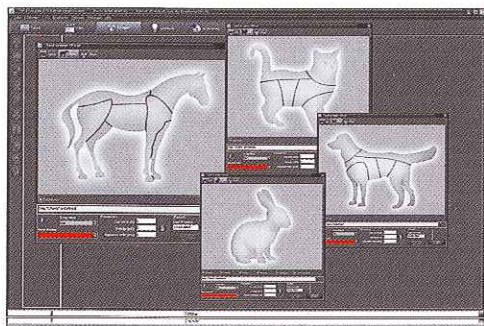
Small design meets highest quality



**Network / Stand alone**

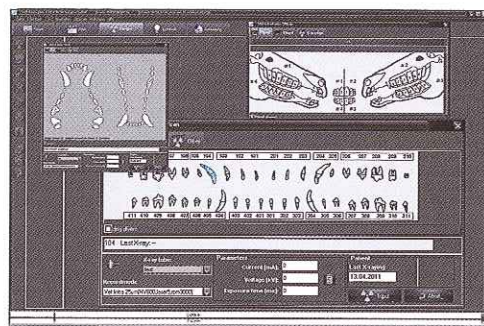
Fast connected to the network or installed as single station

**Vet-Exam<sup>plus</sup>** • Fast, easy and efficient achievement of perfect results



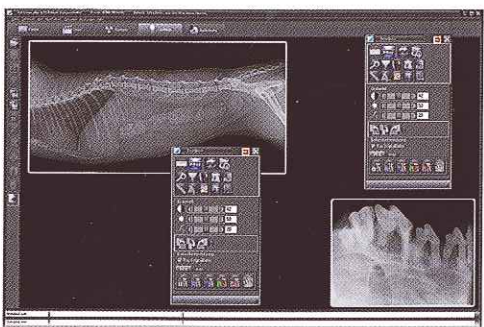
**Simple and intuitive body part selection**

The software will guide you, based on the patient's race. Just select the relevant body part and choose from the options displayed.



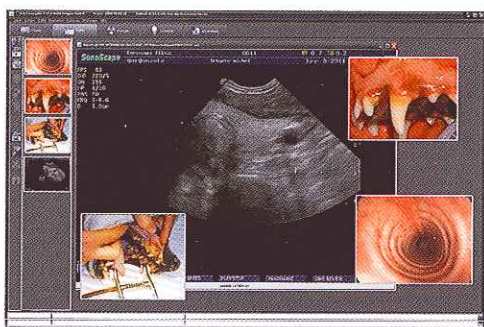
**Full tooth maps for the majority of animals**

The software comes with a complete set of tooth schemes for easy and fast selection of the desired single tooth or group of teeth.



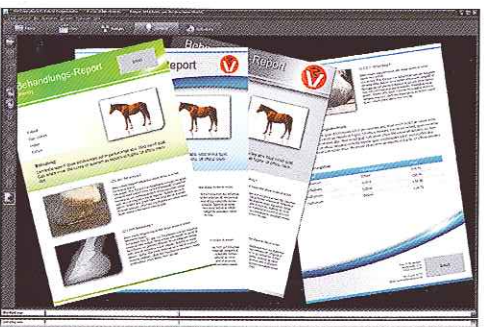
**Filtering as preset or as you like - at any time**

Images always show up perfectly filtered, according to the chosen body part or tooth scheme. However, individual filtering remains possible at all times.



**Video module always incorporated**

Simply add images from your digi-cam, endoscope, intraoral cam or even from your ultrasonic device for further reporting and marketing use.



**Report generator - Sales accelerator**

Choose your free template or get an individual one designed for you and start using it for marketing. Advertise while reporting details of the treatment.



**Network license and PACS functionality**

Review and diagnosis where you want. Forget about purchasing additional PACS!

**Vet-Exam<sup>plus</sup>** does all you need **at no extra cost!**

# Discover the future. CR systems of DÜRR MEDICAL

## Technical Data

## CR 43 VET

Resolution	Stepless selectable between 2,5 lp/mm and 20 lp/mm (25 µm and 200 µm)
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 <i>vet-Exam<sup>plus</sup></i>
IT-Requirements	For requirements refer to <a href="http://www.duerr-medical.de">www.duerr-medical.de</a>
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 intraoral high performance X-ray sensors with carbon fibre housing



### CR 7 VET

The compact image plate scanner especially for intraoral sizes



### Image plate cassettes for CR 43 VET

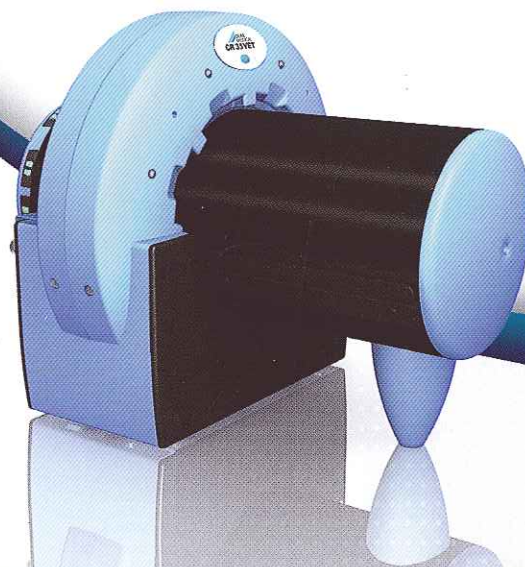
Available in three sizes:

18 x 24 cm • 24 x 30 cm • 35 x 43 cm



### CR 35 VET

The ultra mobile start-up system. From equine to dental. The only real ALL-IN-ONE scanner.



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