

# FACT SHEET

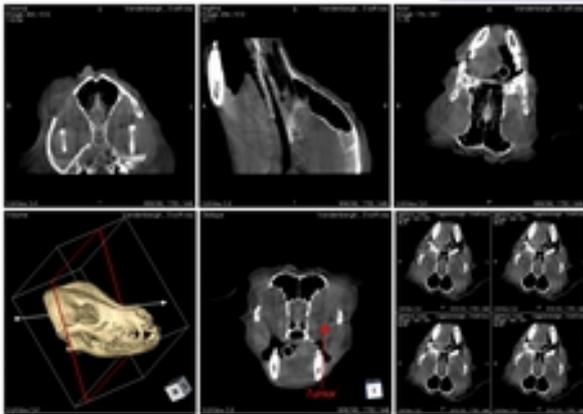
The Veterinary CT-scanner by GNI is developed in Denmark in cooperation with European veterinarians, the Technical University of Denmark (DTU) and the University of Copenhagen (the Niels Bohr Institute).

The CT-scanner is a breakthrough innovation which completely targets the veterinarian's need to optimize the diagnostics process with the same speed, efficiency and accuracy known in the human healthcare sector. GNI's veterinary CT-scanner is patented.

Within the veterinarian community there is a growing desire to scan animals with CT-technology. Therefore GNI's CT-scanner has been developed and designed to improve the diagnosis for smaller pets such as dogs, cats and exotic pets. The target customer is a small to medium-sized specialized veterinary clinic with a weekly need of 1-2 CT-scannings.



The GNI Veterinary CT-scanner



GNI CT-scanning of a 10 years old Golden Retriever (35 kg) with a tumor behind the left eye

By CT-scanning the veterinarian achieves a very accurate diagnosis, which is the basis for the optimal therapeutic course. The high level of details and the high resolution in the images based on the CT-scanning from GNI makes it possible to diagnose diseases and sufferings previously difficult or impossible to diagnose.

The image to the left shows the results of a GNI CT-scanning of a 10 years old Golden Retriever with a tumor behind the left eye. During surgery the tumor was successfully removed.

GNI has made it possible to develop a CT-scanner which specifically focuses on diagnosing diseases and sufferings among dogs, cats and other exotic pets.

The GNI CT-scanner is an affordable investment for most veterinary clinics and hospitals. The CT-scanner is installed without any preparations in a standard clinic room and is easy to use.



The CT-scanner is ready for the patient



The patient is ready for CT-scanning



GNI CT-scanning of a 7 years old Affenpinscher dog with a prolaps between L4 and L5 right

GNI's Veterinary CT-scanner makes it possible for the veterinarian to CT-scan in-house in a resolution down to 0,20 mm x 0,20 mm in pixel size and 0,20 mm in slice thickness. The high resolution capability is ideal for CT-scanning of small pets.

The veterinarian can on the basis of the CT-scanning data, create any cross-sectional slices to be used for the diagnosis. With the aid of 3-dimensional rendering, a 3-dimensional model can be created of the CT-scanned part of the animal. In the 3-dimensional model the veterinarian may choose to filter out less important parts of the image to simplify the diagnosis.



## **BENEFITS:**

Precise and detailed cross-sectional images in axial, coronal and sagittal planes and in a user selected plane along with 3D-volume rendering.

User friendly CT-scanner software - requires less than one day of introduction for the veterinarian or clinic staff who has some X-ray experience.

Cost effective CT-scanning which supports the diagnoses of essential diseases and sufferings among dogs, cats and other exotic pets.

The CT-scanner is delivered in a radiation protection cabinet along with a rechargeable power saving unit. The veterinarian will have no additional expenses during installation in the clinic room in regard to radiation shielding and power supply.

The CT-scanner is disassembled during transportation. Disassembled, the CT-scanner passes through a standard 700 mm office door, and can therefore be installed in a standard clinic room. The CT-scanner is delivered on wheels in 3 parts, and is installed in a matter of hours.

Due to the CT-scanners modularity it is easily disassembled and moved to a new location if required.

## **INSTALLATION:**



*Width of the X-ray cabinet when disassembled is only 65 cm - it passes easily through a standard office door*



*The X-ray cabinet is shielded with 5 mm lead - no shielding of the CT-scanner room is required*



*The CT-scanner is plugged into a standard 110-220 Vac power outlet - no special power installation is required*

## **TECHNICAL DATA:**

Installed scanner dimensions:	270 cm x 135 cm x 155 cm (8.9 x 4.4 x 5.0 feet) (l x w x h)
Installed weight:	1.400 kg (3.100 lbs)
Recommended floor space:	13 square meter (5,0 m x 2,6 m) or 140 square feet (16.4 x 8.5 feet)
Effective scanning diameter:	400 mm (16 inch.)
Gantry opening:	500 mm (20 inch.)
Effective scanning length:	1.100 mm (44 inch.)
Patient Table lenght:	1.700 mm (67 inch.)
Power:	110/220 Vac, 3 phases with ground
Power consumption:	Average 1 kW
X-ray Tube Voltage	40-120 kV
Scanning time:	1 CT-scanning of 180 mm (7 inch.) in 35 sec.
CT Voxel (high resolution):	Down to 0,20 mm x 0,20 mm x 0,20 mm