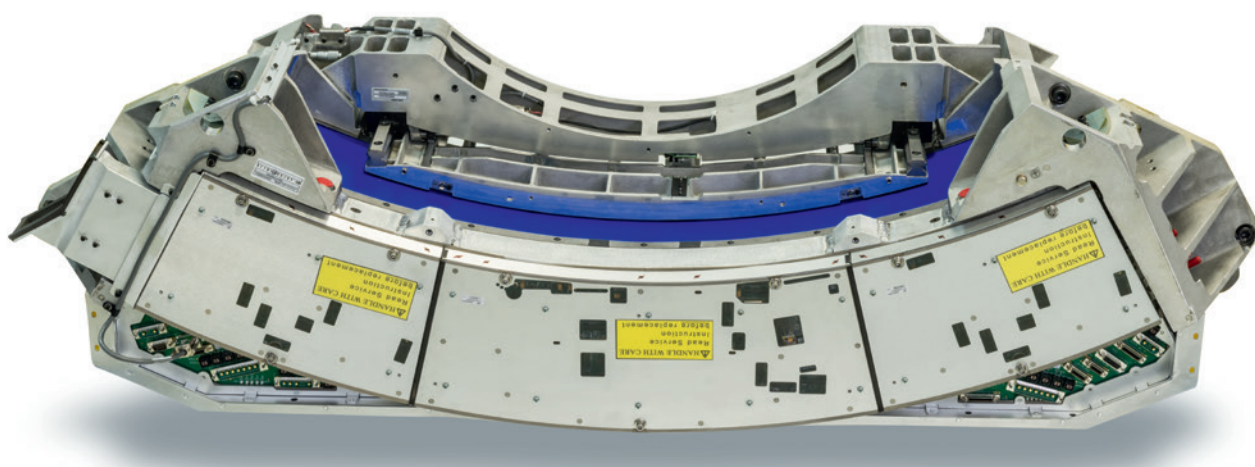


DETECTOR FOR CT

OUR MOST ADVANCED DETECTOR FOR HIGH- RESOLUTION IMAGING



The **CD500** is a **128-row detector** designed to meet the demands of the **high-end CT scanner segment**. Thanks to its very low electronic noise, it provides outstanding image quality even during low dose applications. Excellent radiation hardness ensures no compromises in reliability.

KEY BENEFITS

Our best image quality

- Spherical geometry and advanced 2D anti-scatter grid for high signal-to-noise ratio
- Low scatter to primary ratio at wide coverage for superb image quality

High patient throughput

- Our widest coverage, which reduces the scan time by up to 50 % compared to the CD300

Superb thermal characteristics

- Low power per channel for easy stabilization of required temperature
- Autonomous temperature stabilization through a combined heating and cooling control loop

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Specifications		CD500
Number of Rows		128
SDD (Source to Detector Distance) [mm]		1,040
Field of View [mm] (@570mm FS to ISO distance)		500
Coverage @ ISO Center [mm] (@570mm FS to ISO distance)		80
Detector Channel Pitch Size [mm]	X Direction	1.408
	Z Direction	1.14
Total Number of Detection Elements		86,016
Weight [kg]		102
Maximum Nominal Gantry Speed [rpm]		220
Anti-Scatter Grid Type		2D

Our automated production line in a clean room environment is key to reaching the high precision and reliability of the CD500. Its simple interface facilitates a clean, straightforward system architecture. The structure of scan parameters embedded in data ensure fast data transfer. We offer the CD500 as a stand-alone product and as

an integral part of the Xpert bundle, which includes a detector, X-ray tube, high voltage generator, anode drive, interface unit, and cables. Utilizing our extensive knowledge and experience, we help you select the right components for your needs. Our team is at your side during the development phase and throughout the entire product lifecycle.

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