

DETECTOR FOR CT

WHERE WEIGHT AND SIZE MATTERS MOST



The **CD100** is a **16 row detector** and Dunlee's first choice to help meet the needs of the **entry-level CT segment**. Its lightweight design enables flexibility in developing a compact CT gantry. This results in reduced gantry costs and the ability to improve ease of service.

KEY BENEFITS

Lightweight design

- Weight-optimized components allow a light overall CT design which reduces the cost of the CT system
- The detector weighs 27 kg - 65% less than our mid-range detector

Good image quality

- High signal-to-noise ratio for clear and sharp images
- Low detector afterglow for noise-free images

Fast installation process

- Compact design for quick and convenient installation
- Simple interface architecture eases installation and service process

DUNLEE

Specifications		CD100
Number of Rows		16
SDD (Source to Detector Distance) [mm]		900
Field of View [mm] (@510mm FS to ISO distance)		450
Coverage @ ISO Centre [mm] (@510mm FS to ISO distance)		12.8
Detector Channel Pitch Size [mm]	X Direction	1.14
	Z Direction	1.408
Total Number of Detection Elements		11,520
Weight [kg]		27
Maximum Nominal Gantry Speed [rpm]		80
Anti-Scatter Type		1D

Our automated production line in a clean room environment is key to reaching the high precision and reliability of the CD100. Its simple interface facilitates a clean, straightforward system architecture. The structure of scan parameters embedded in data ensure fast data transfer. We offer the CD100 as a stand-alone product and as an integral part

of the Xplore 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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