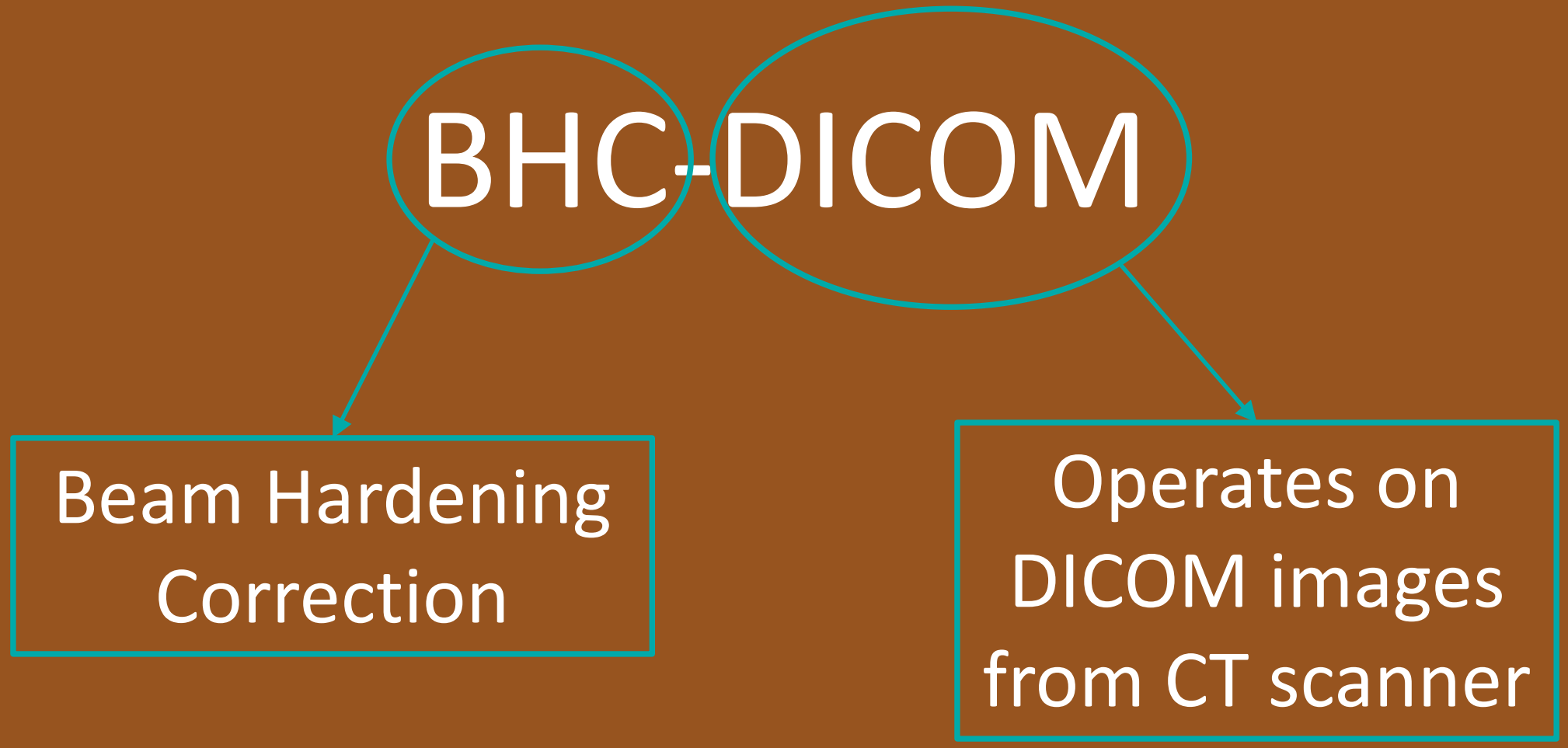
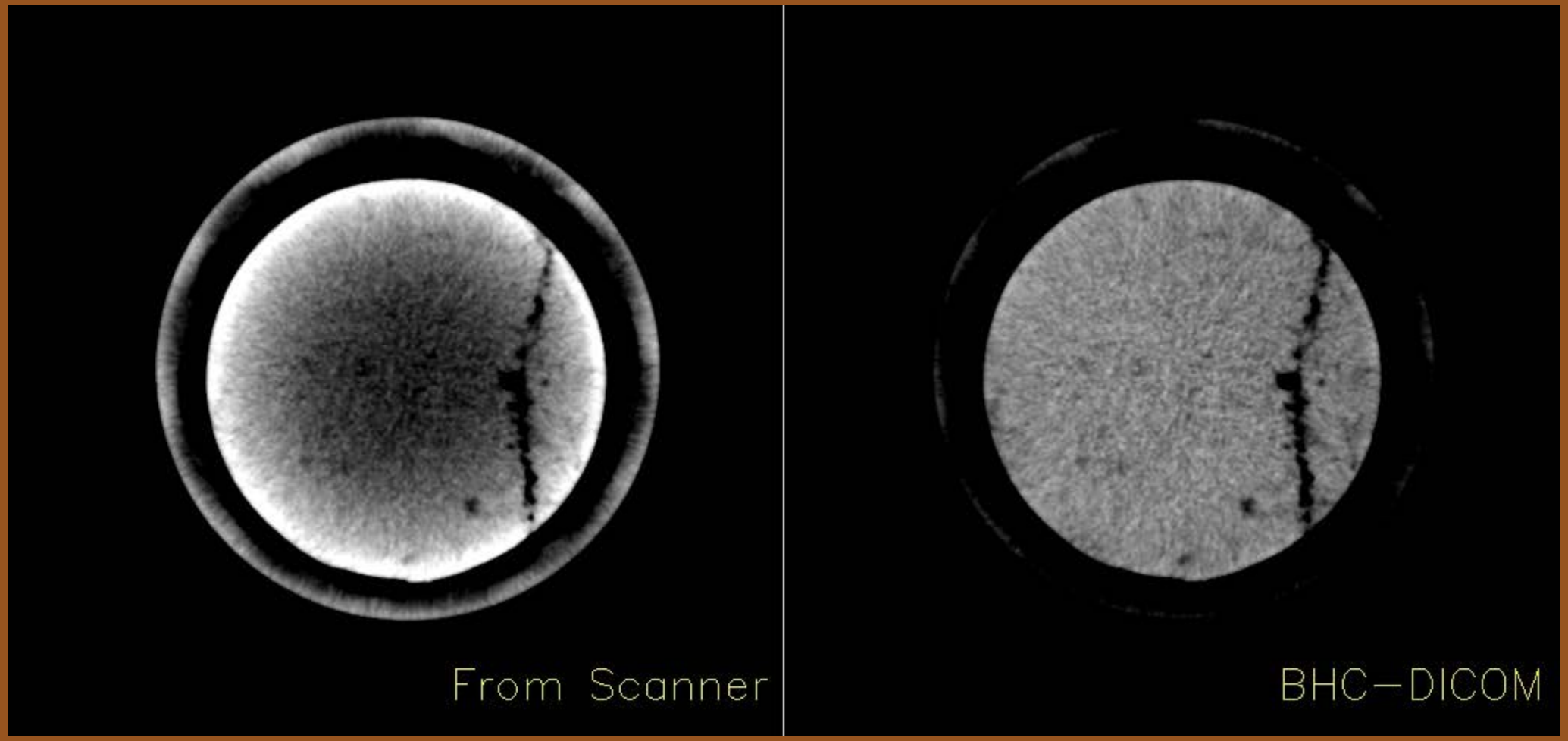
# The Problem

Today’s CT Scanners are not designed to image rock cores.

# The Solution: BHC-DICOM

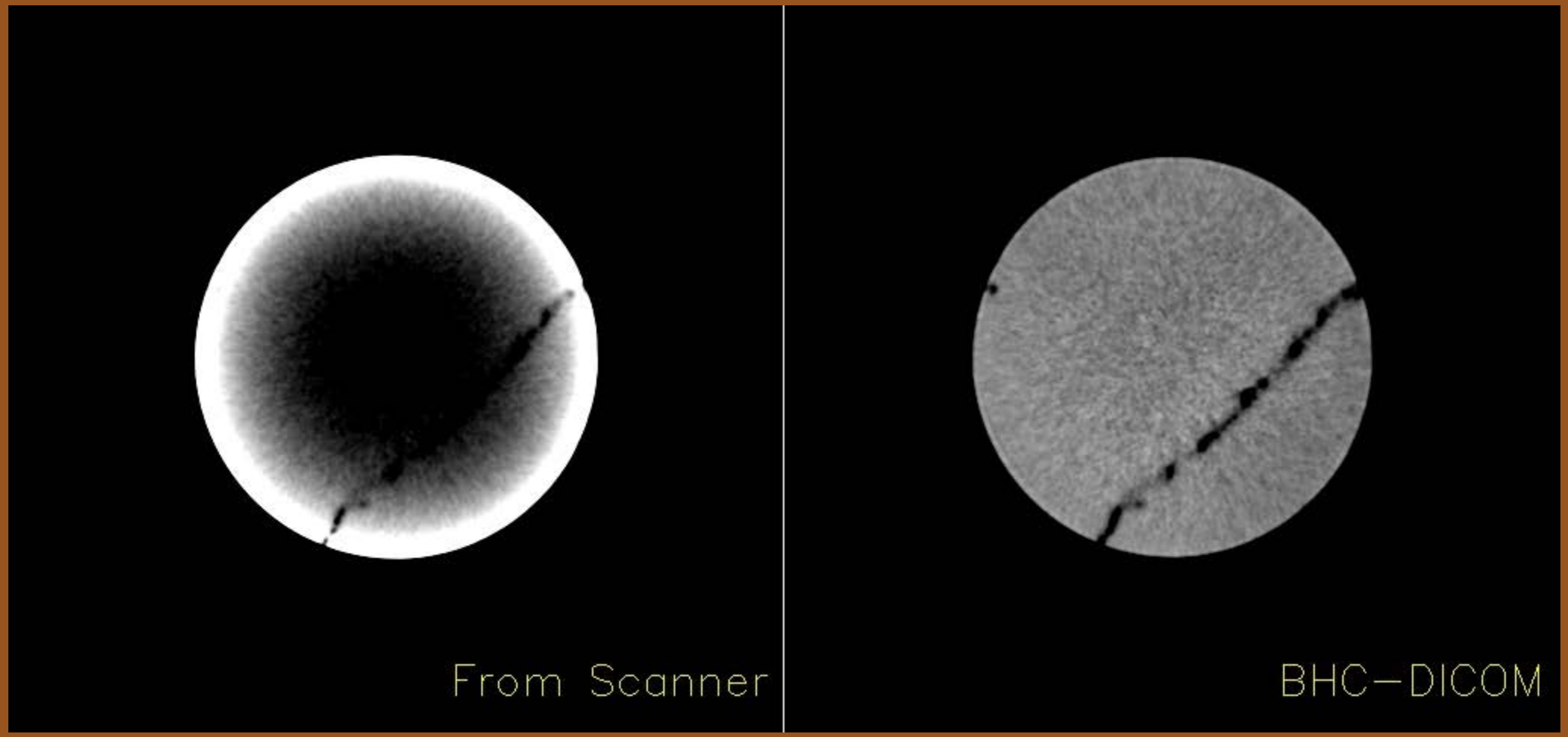

BHC-DICOM
Beam Hardening Correction
Operates on DICOM images from CT scanner

# Limestone 3” Core – With Sleeve



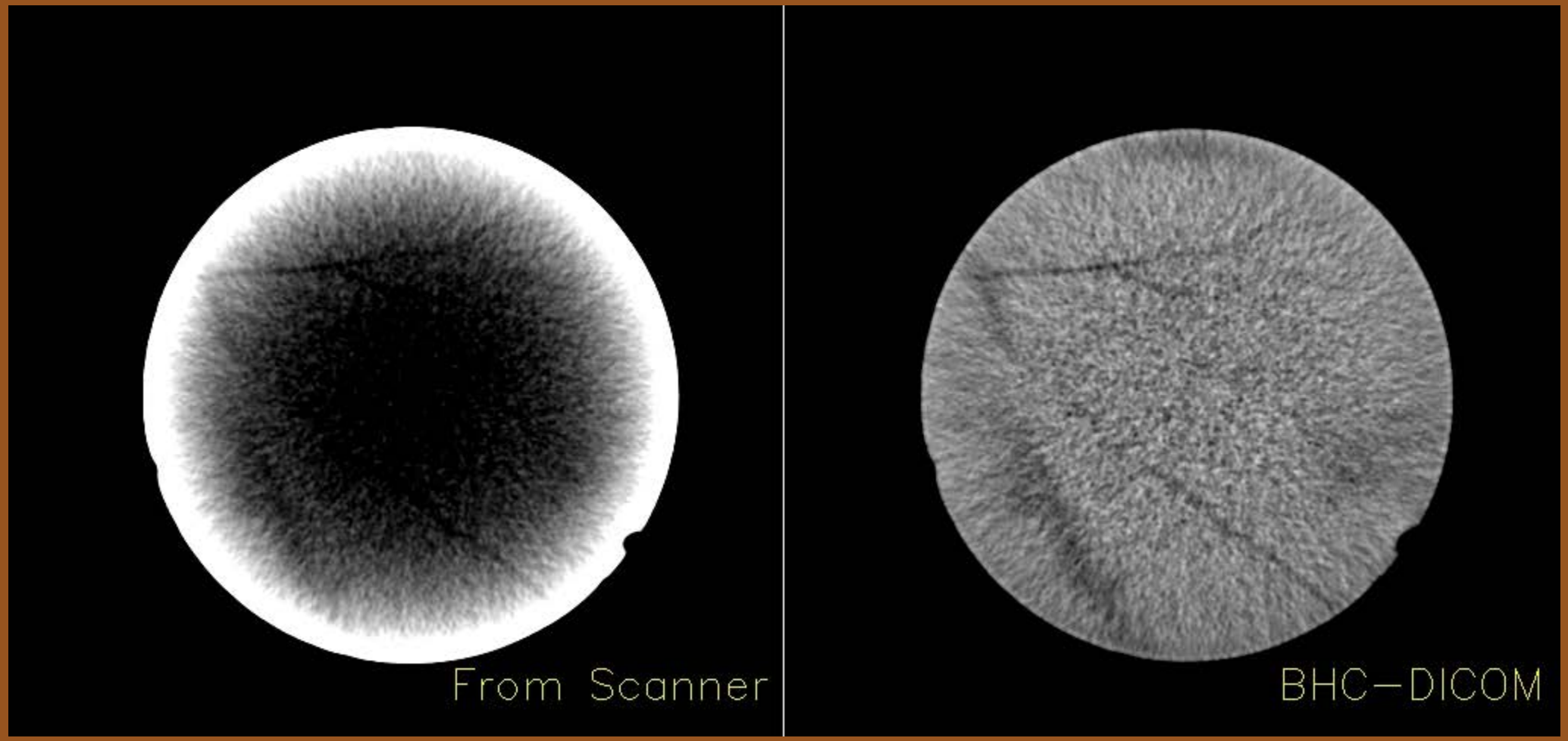

BHC-DICOM automatically adapts to nearly any core configuration

# Limestone 3” Core – No Sleeve




Increased “dishing” without sleeve is no problem for BHC-DICOM

# Limestone 4” Core – No Sleeve

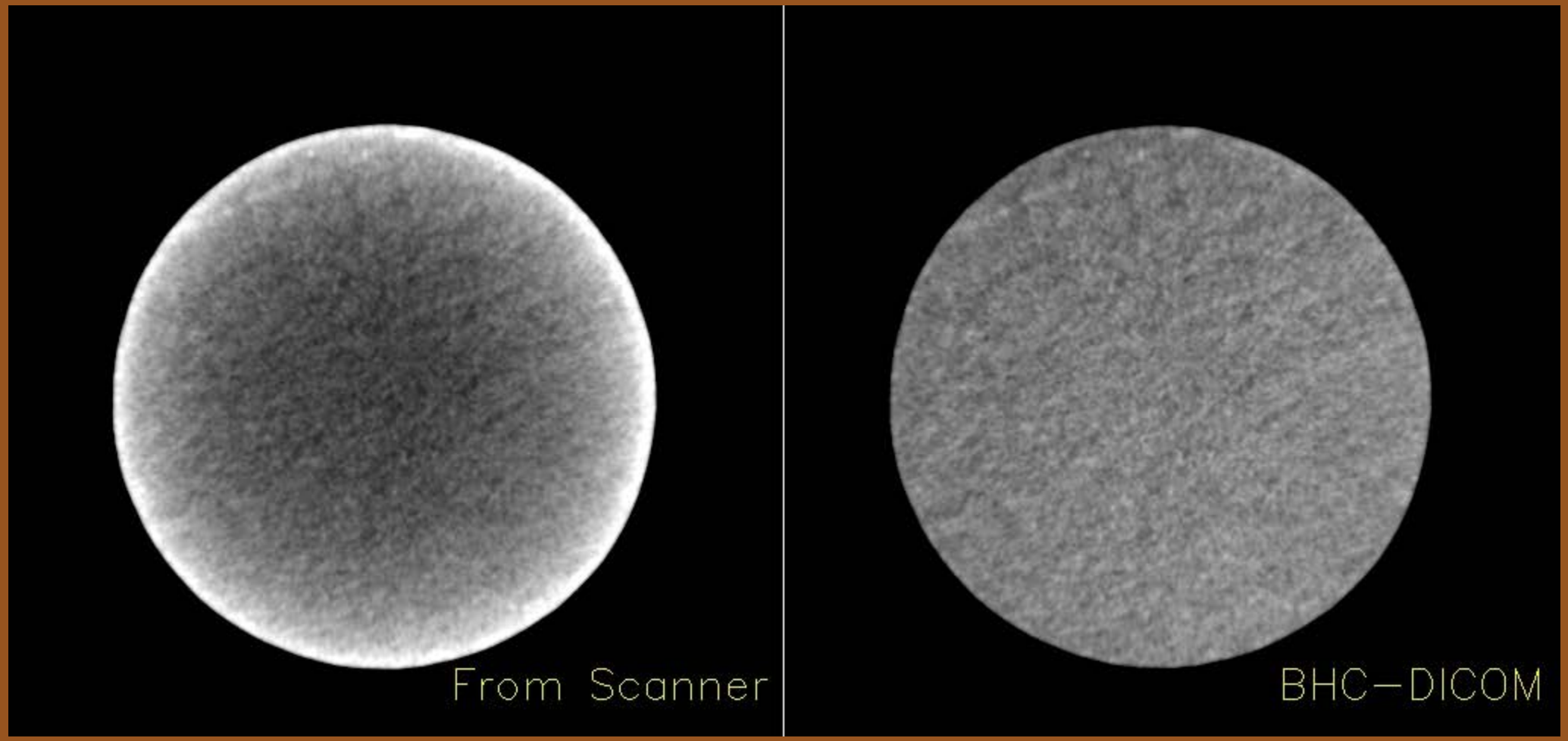



Automatically adapts to the core diameter

# Shale 3” Core – No Sleeve

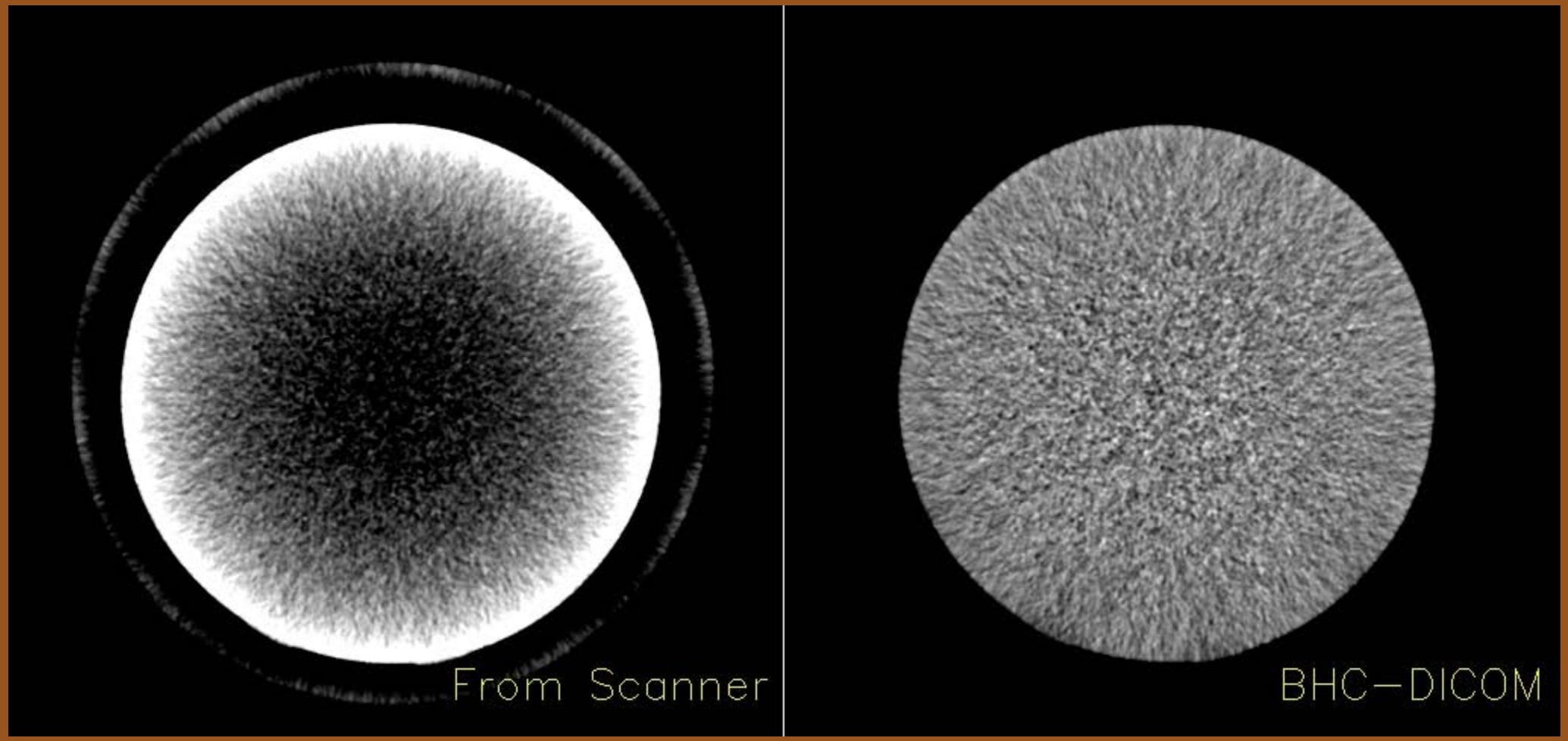

Works with high density rock…..

# Berea Sandstone 4” Core – No Sleeve



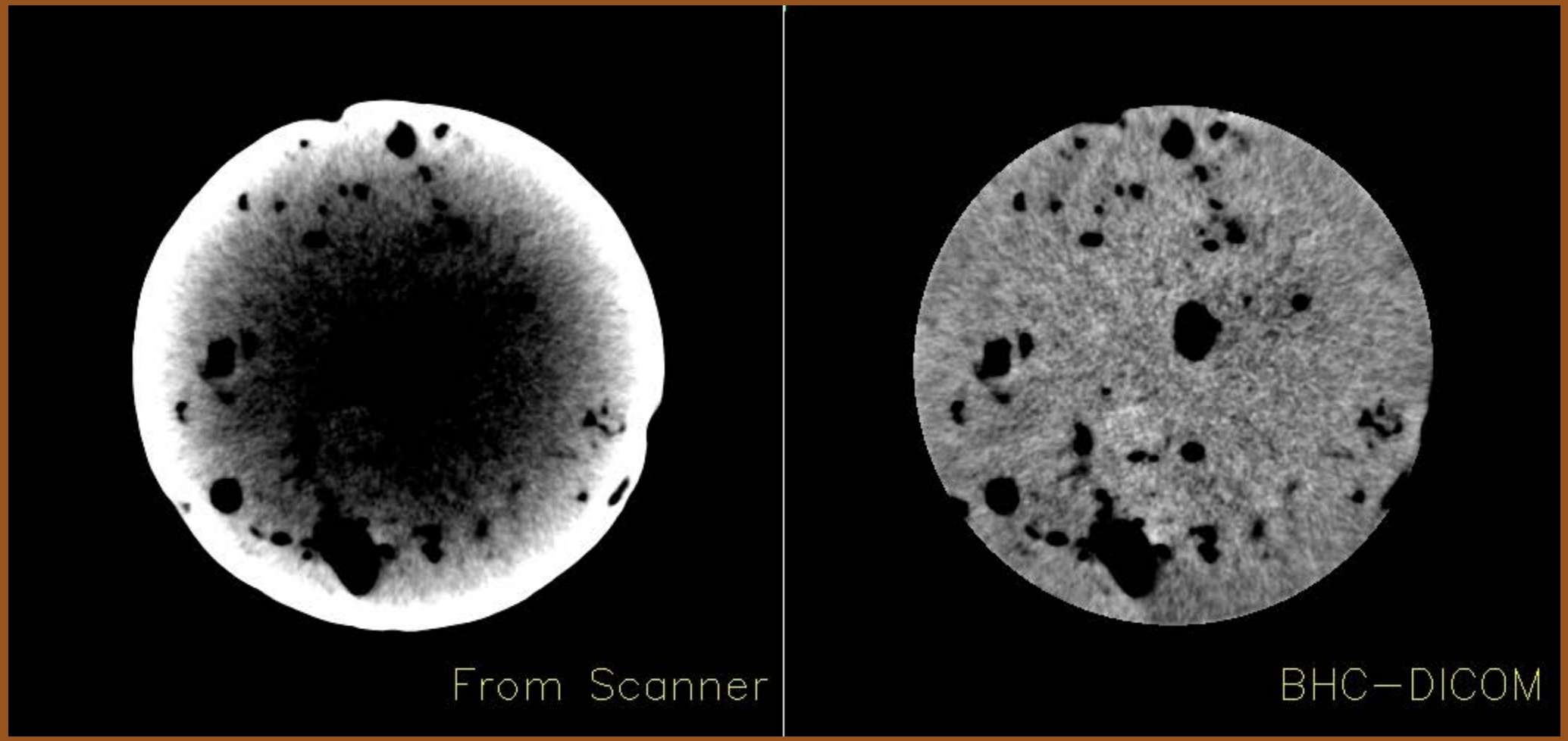

.....or low density rock

# Aluminum 4” Core – With Sleeve



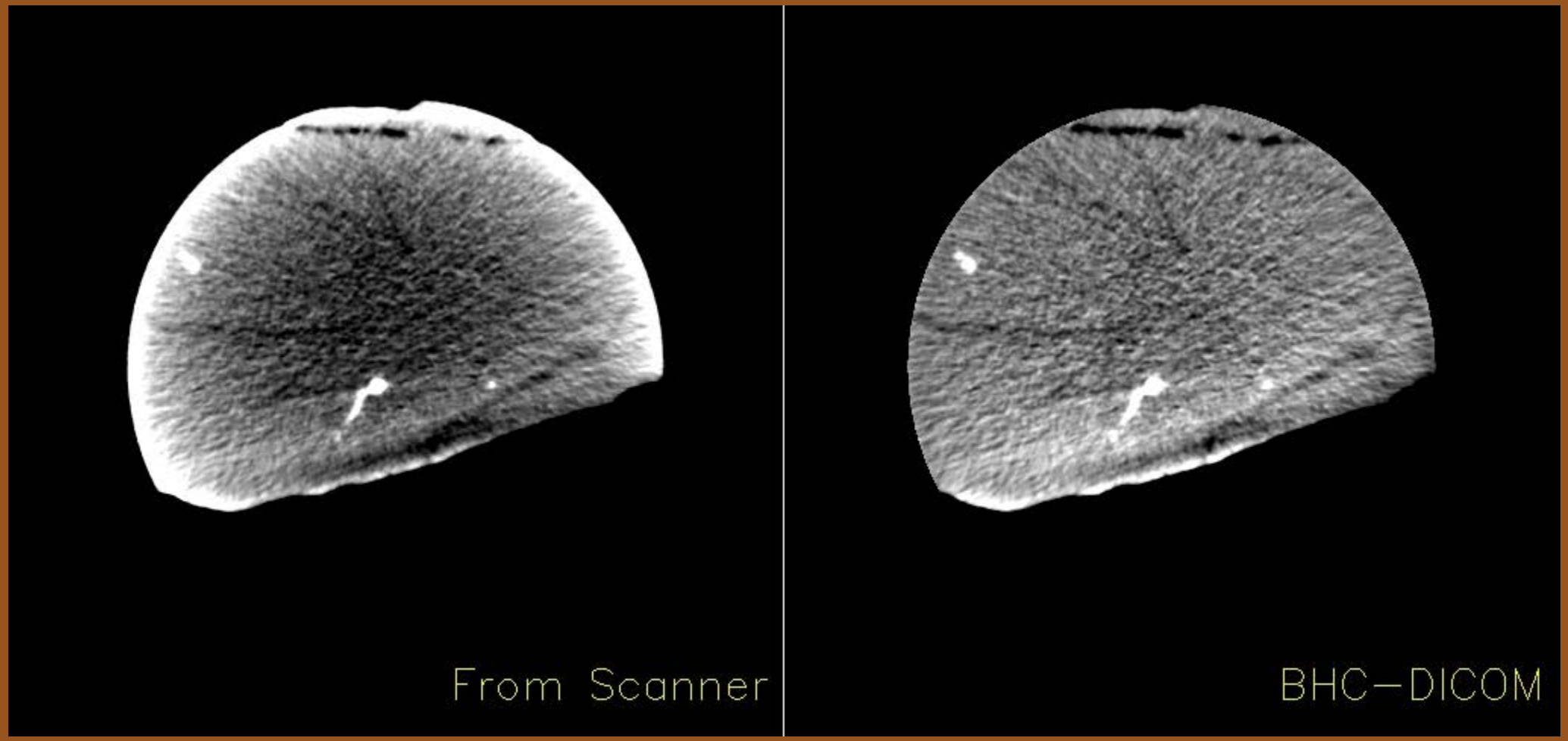

Adapts automatically to sleeve size

# 4” Core – No Sleeve



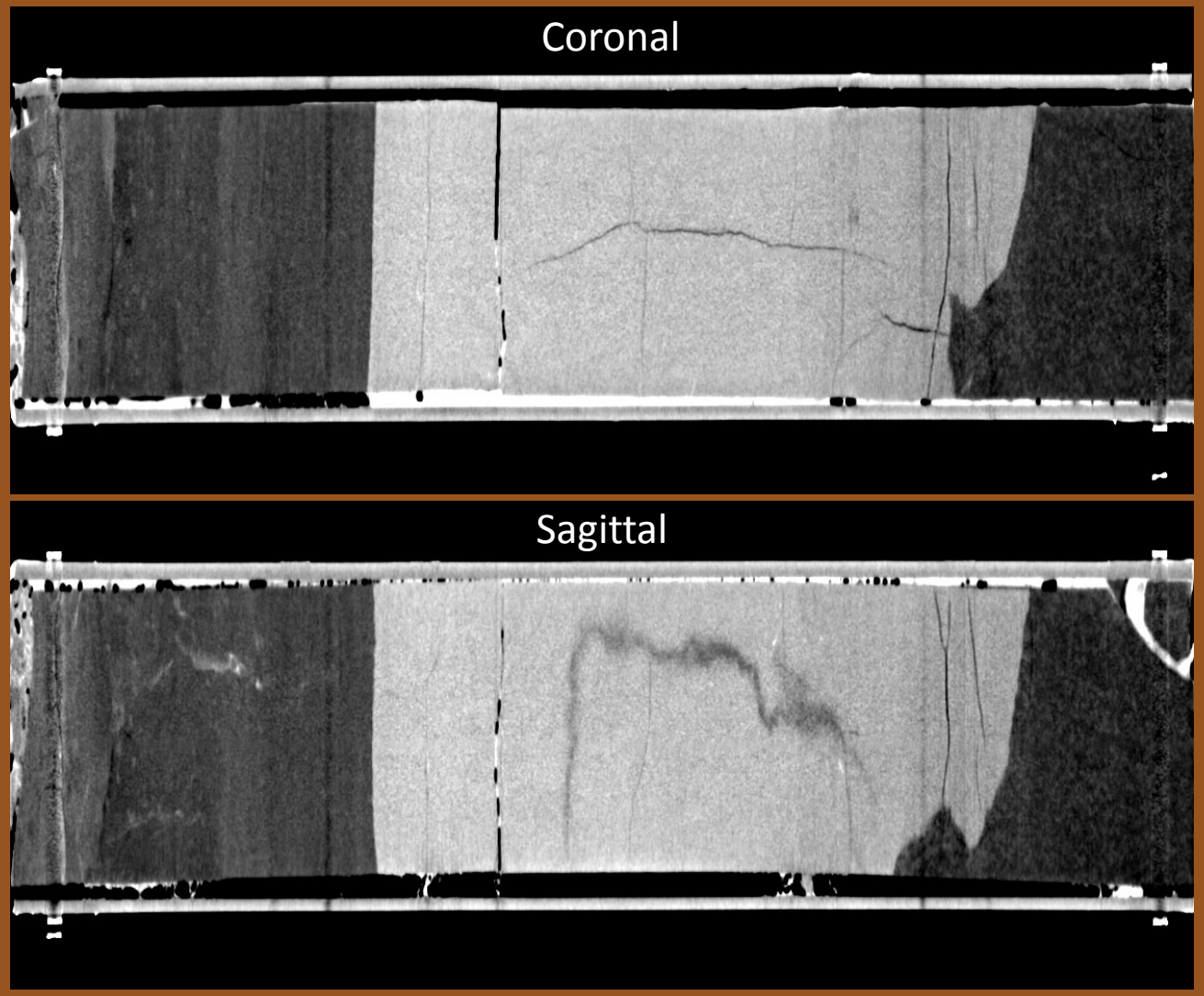

Handles cores with large holes

# 4” Core – No Sleeve



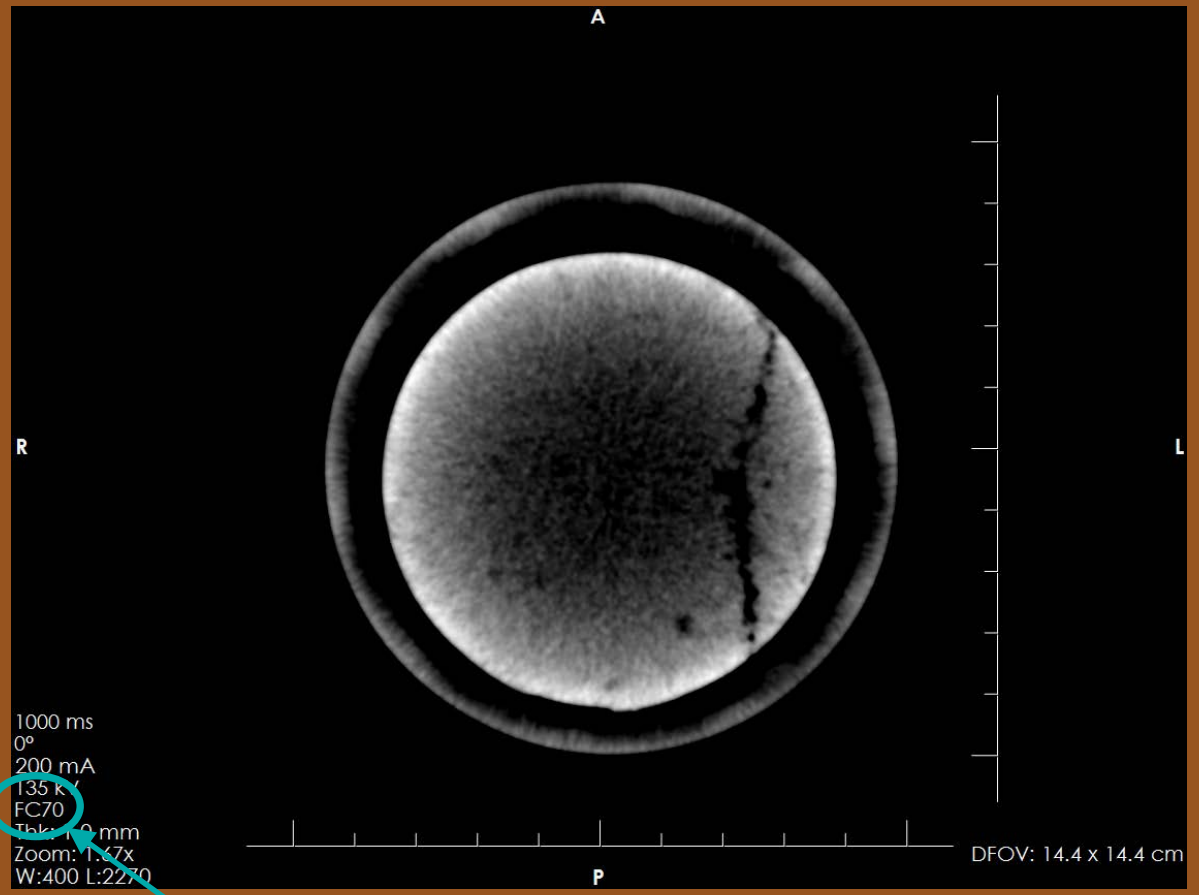

Handles non-cylindrical cores

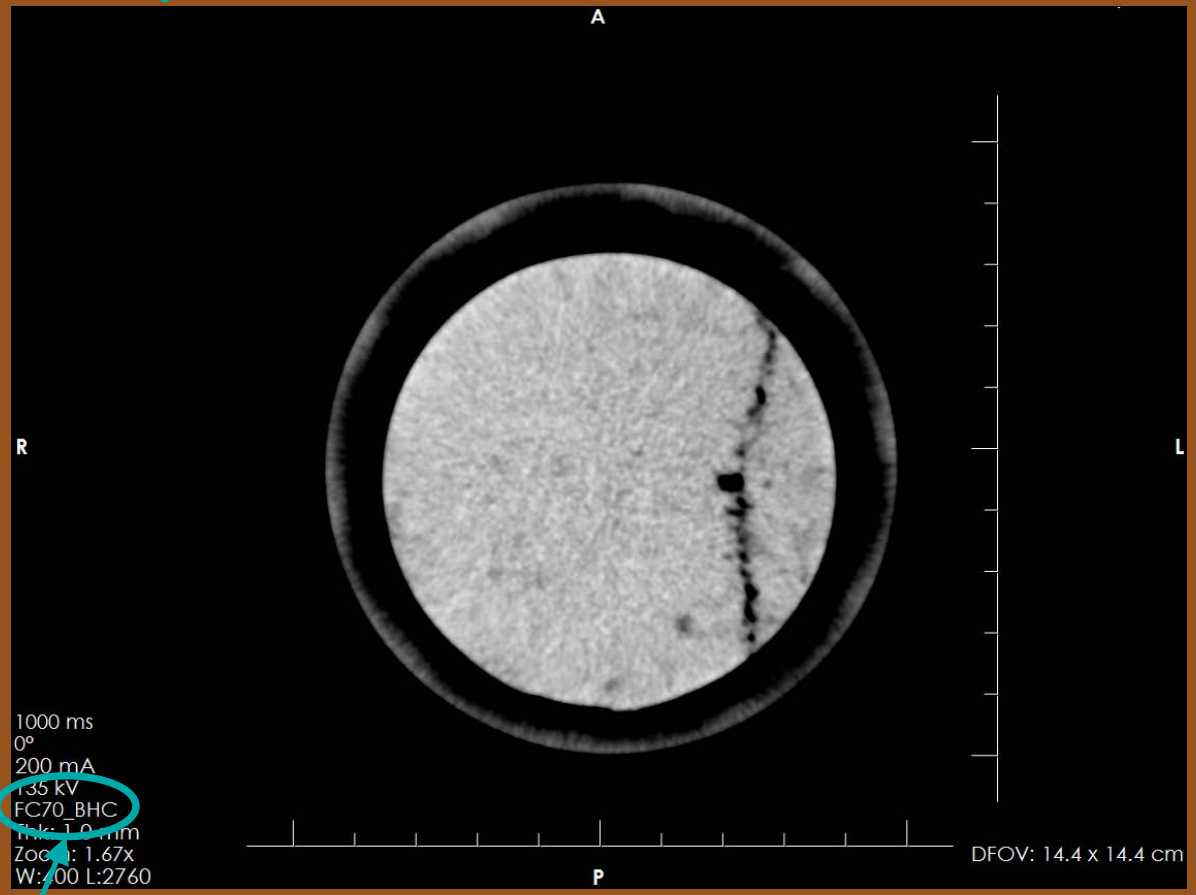
# Varying Densities in Single Core




Adapts to changes in material and density within core as shown in these Sagittal and Coronal images of a volume

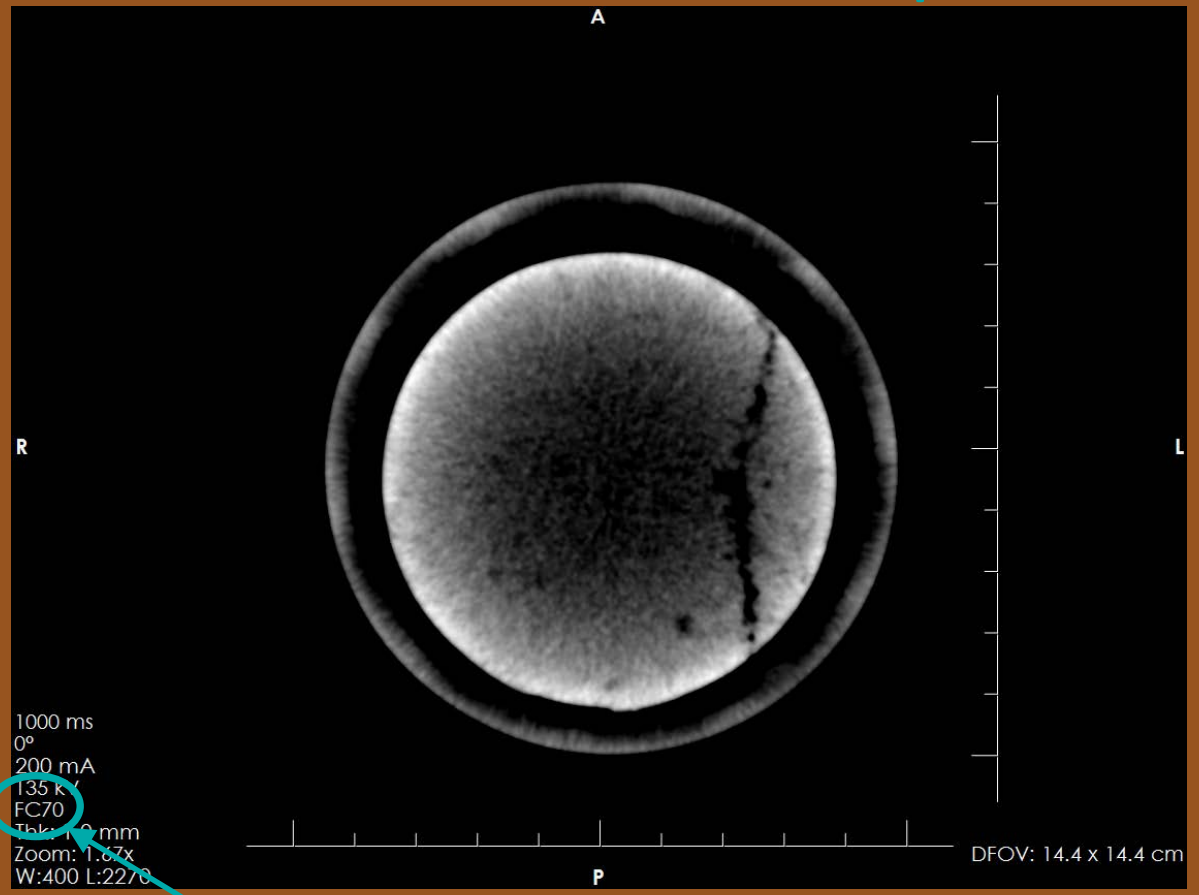
# DICOM Output

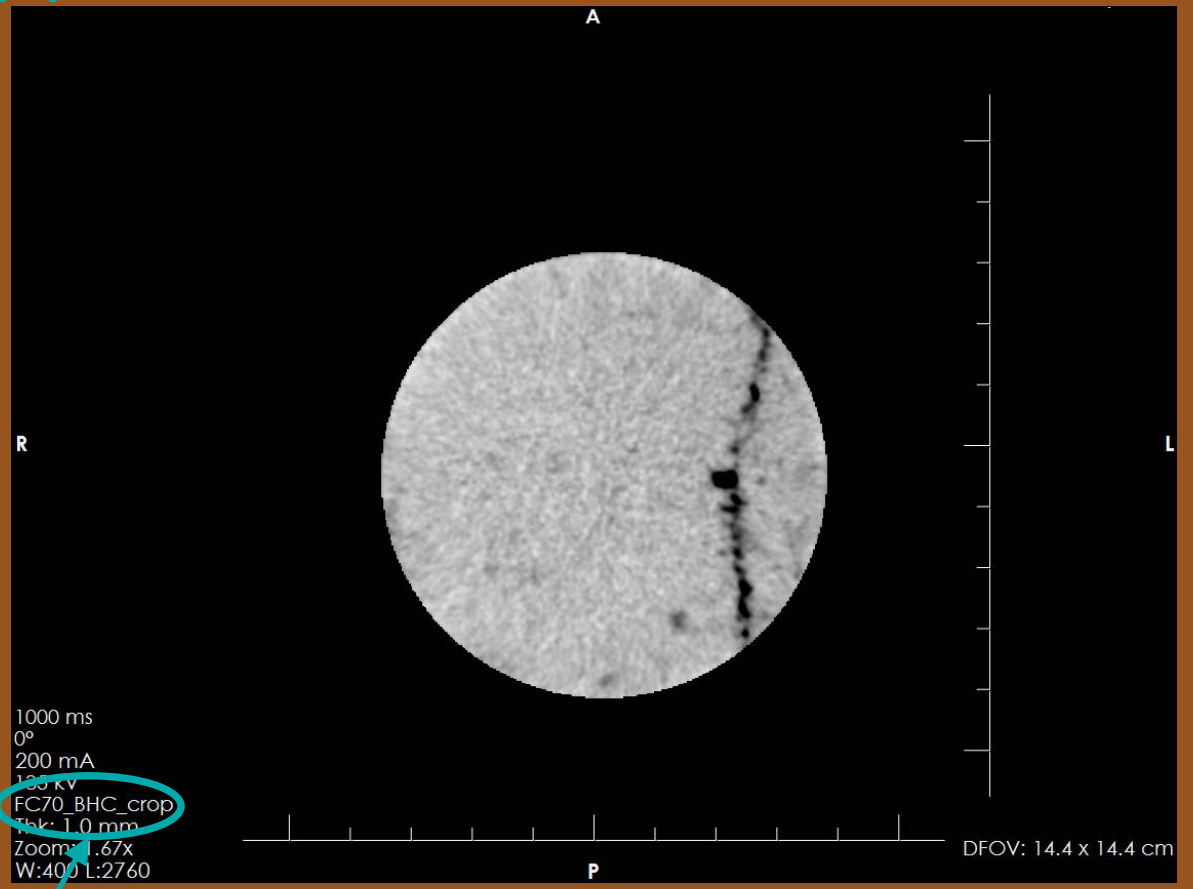



Corrected images are output to a new DICOM file. The DICOM header is modified to identify the corrected file.

# DICOM Output Cropped to Rock Circle




The DICOM header also identifies images that have been cropped to the rock circle

# Key Features and Characteristics

- Works with DICOM images from any CT scanner.
- Corrects for beam hardening without affecting other image structures.
- Fast automatic batch process that’s easy to operate.
- No special CT scanner calibration required.
- Adapts to any core configuration automatically using robust 2-pass algorithm
- Includes optional creation of Sagittal and Coronal images of entire core

# Contact Information

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