Fantoccio QC

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- EX LABORE FRUCTUS -

Progetto SYRMA3D
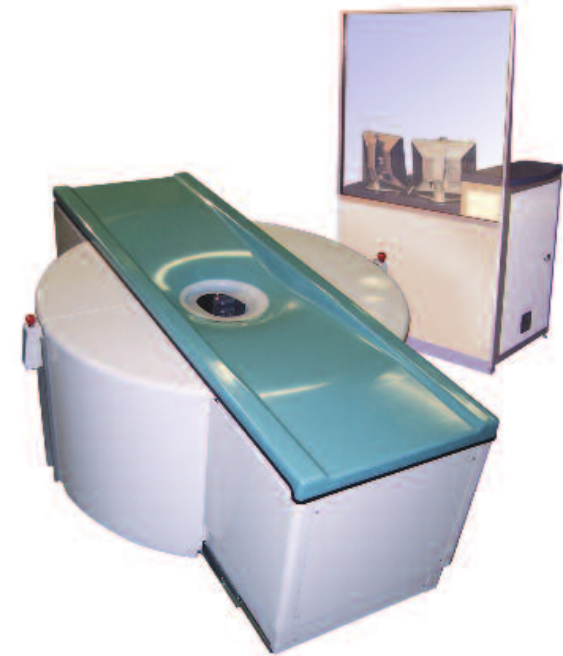
Controllo di qualità:

CT   Mammo

Breast CT

Koning Breast CT (CBCT1000)

CBCT1000 @ RU Nijmegen

Manufacturer tests

Low Contrast Resolution
CT Number Accuracy
Field Uniformity
Noise
Contrast to Noise Ratio
Spatial Resolution
Table Position Indicator Accuracy
Gantry Position Indicator Accuracy
Alignment Light Accuracy
Air Kerma at 100 mA

Other tests

Radiation Leakage
Tube Voltage
HVL
Detector Response
Defective Detector Elements
Thickness compensation
Acquisition time
Guard against over exposure
Dosimetry
Focal spot – detector distance
Image edge to table top distance
X-ray field to image field alignment
Geometric Accuracy
HU value Accuracy
MTF – detector
NPS
Artefacts

Courtesy of Prof. Sechopoulos, RU Nijmegen

KONING

User's Manual for the Koning Breast CT System

CE
0473

CBCT1000 @ RU Nijmegen

Manufacturer tests

LOW CONTRAST RESOLUTION
CT NUMBER ACCURACY
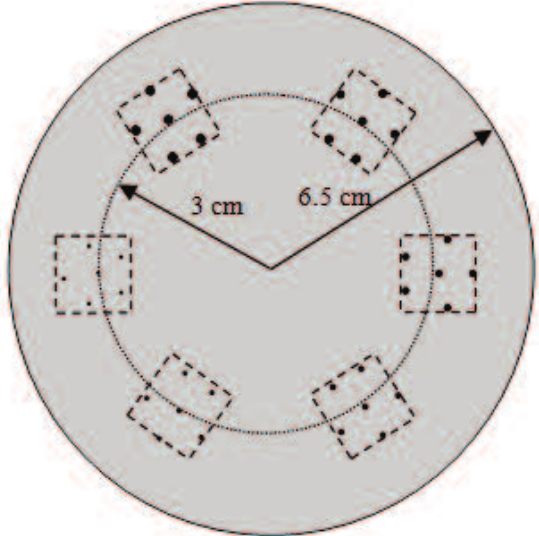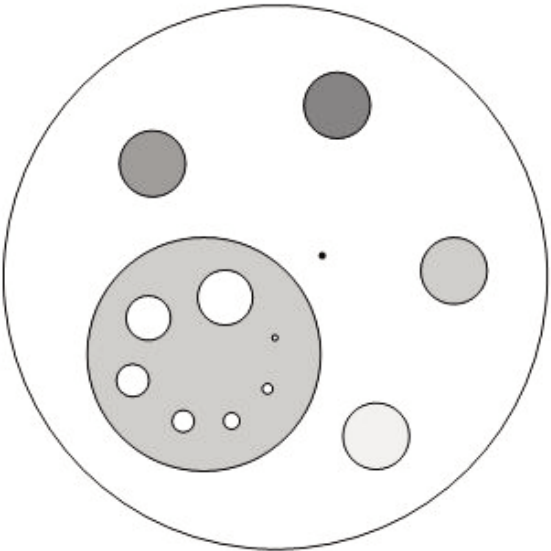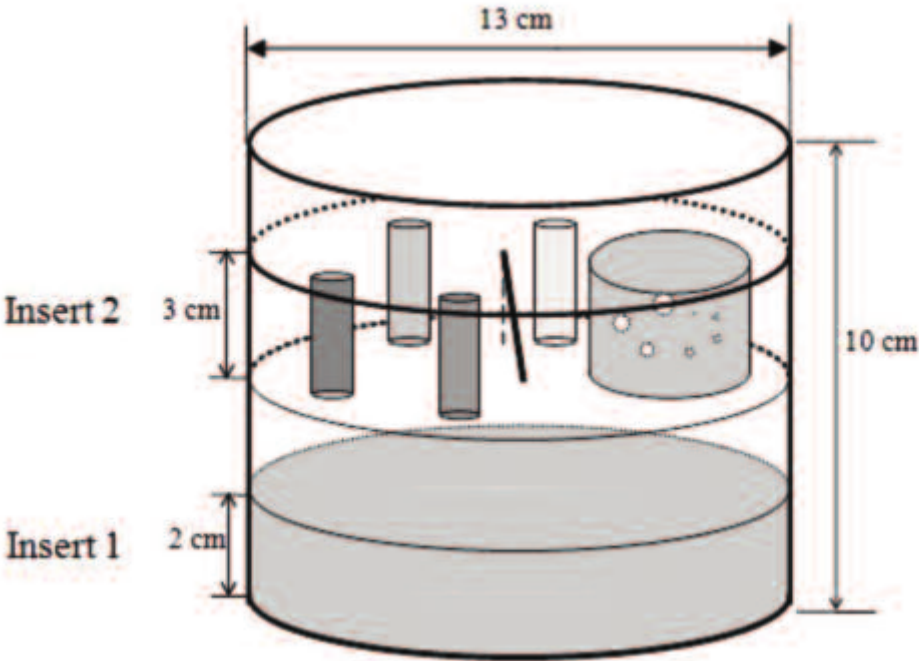*FIELD UNIFORMITY*
NOISE
Contrast to Noise Ratio
Spatial Resolution
Table Position Indicator Accuracy
Gantry Position Indicator Accuracy
Alignment Light Accuracy
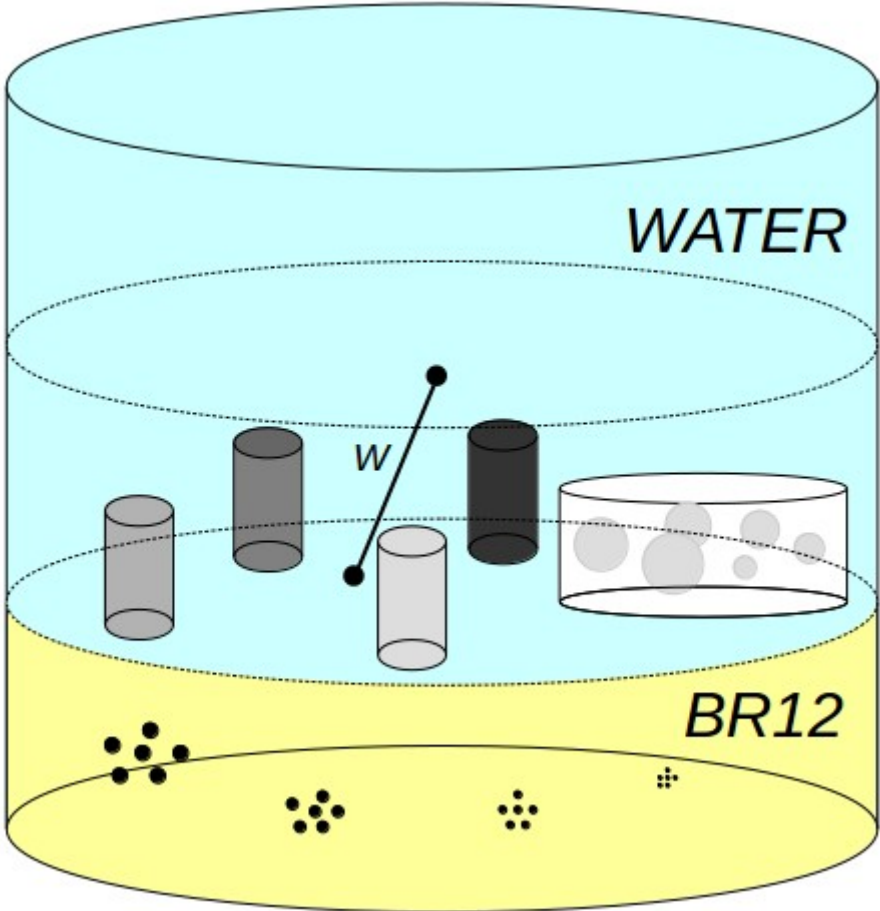Air Kerma at 100 mA

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User's Manual for the Koning Breast CT System
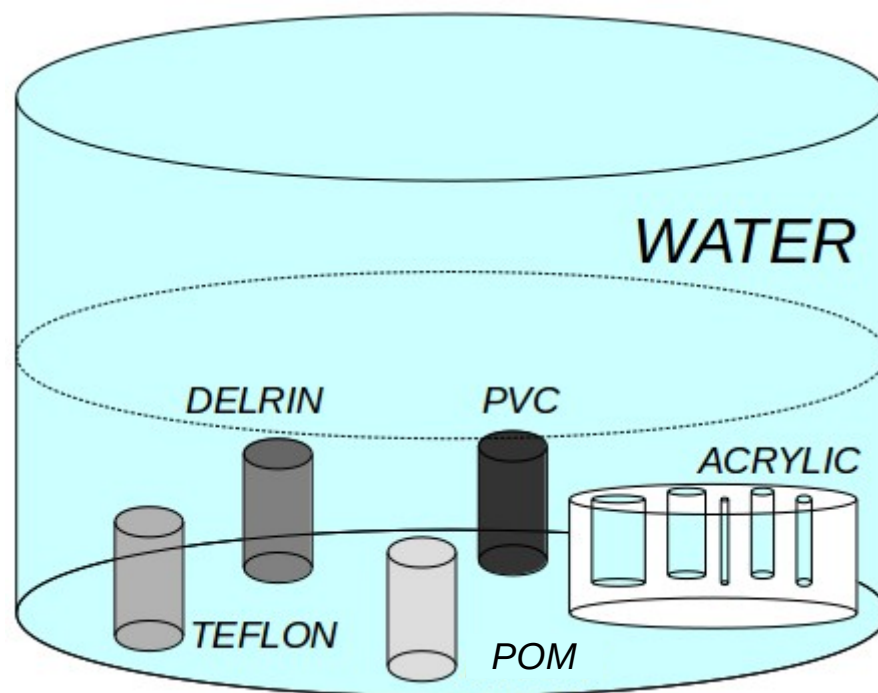
CE 0473

Koning Breast CT Quality Control Phantom

Koning Breast CT Quality Control Phantom

WATER

BR12

w

d = 13 cm

h = 10 cm

Fantoccio QC per misure di contrasto
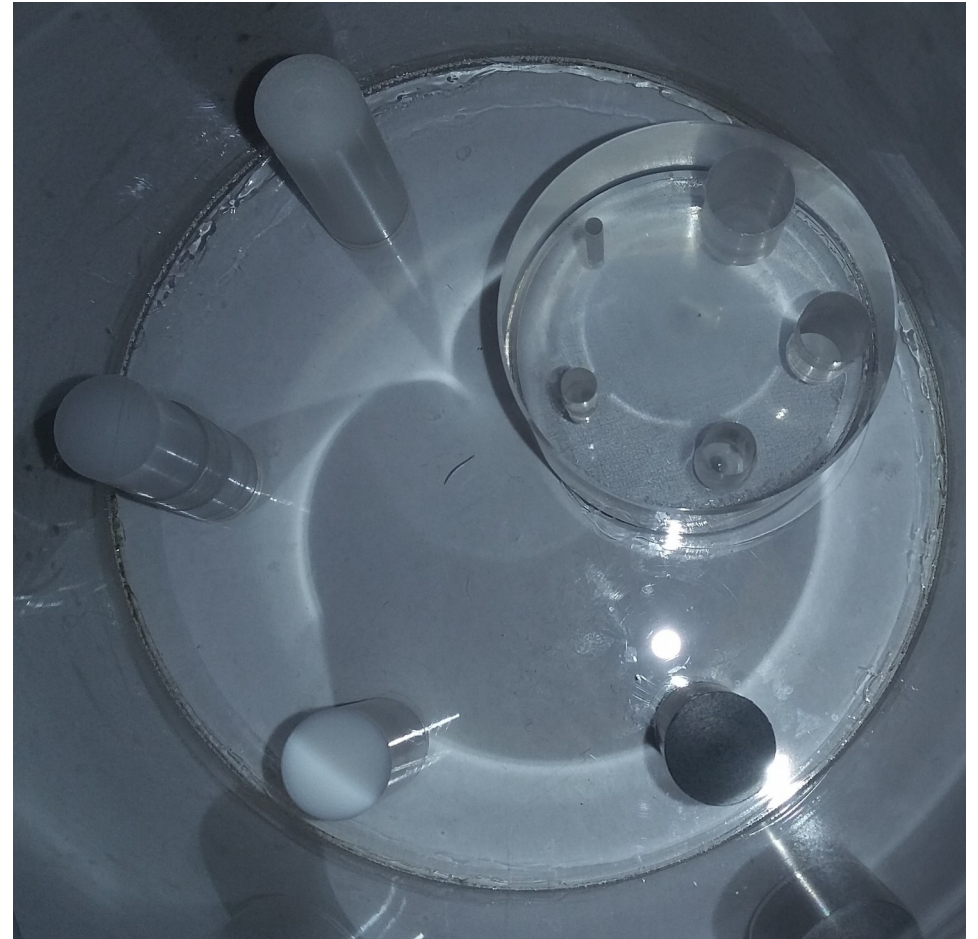

d = 12 cm

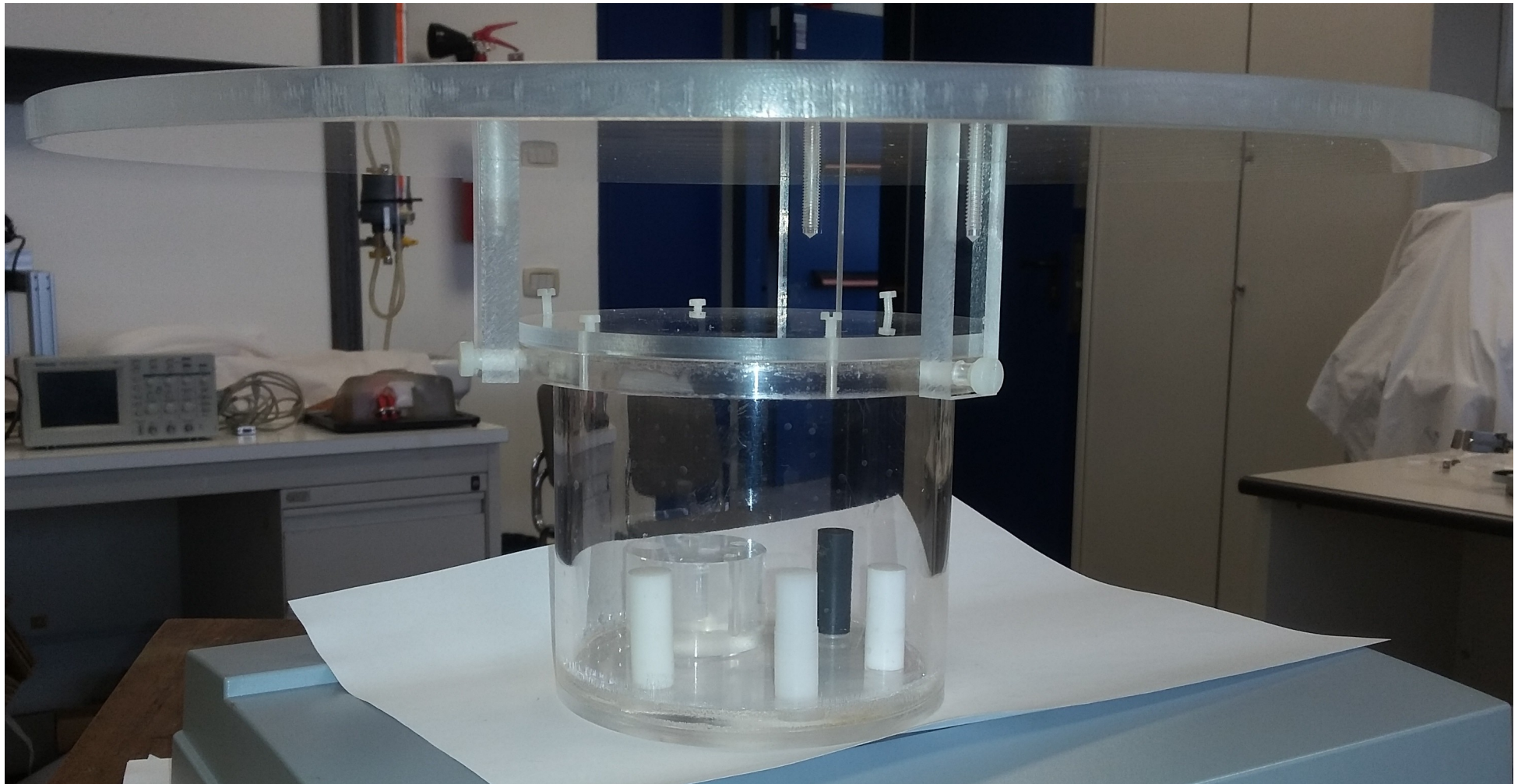h = 10 cm

Struttura proveniente dal progetto SYRMA-CT

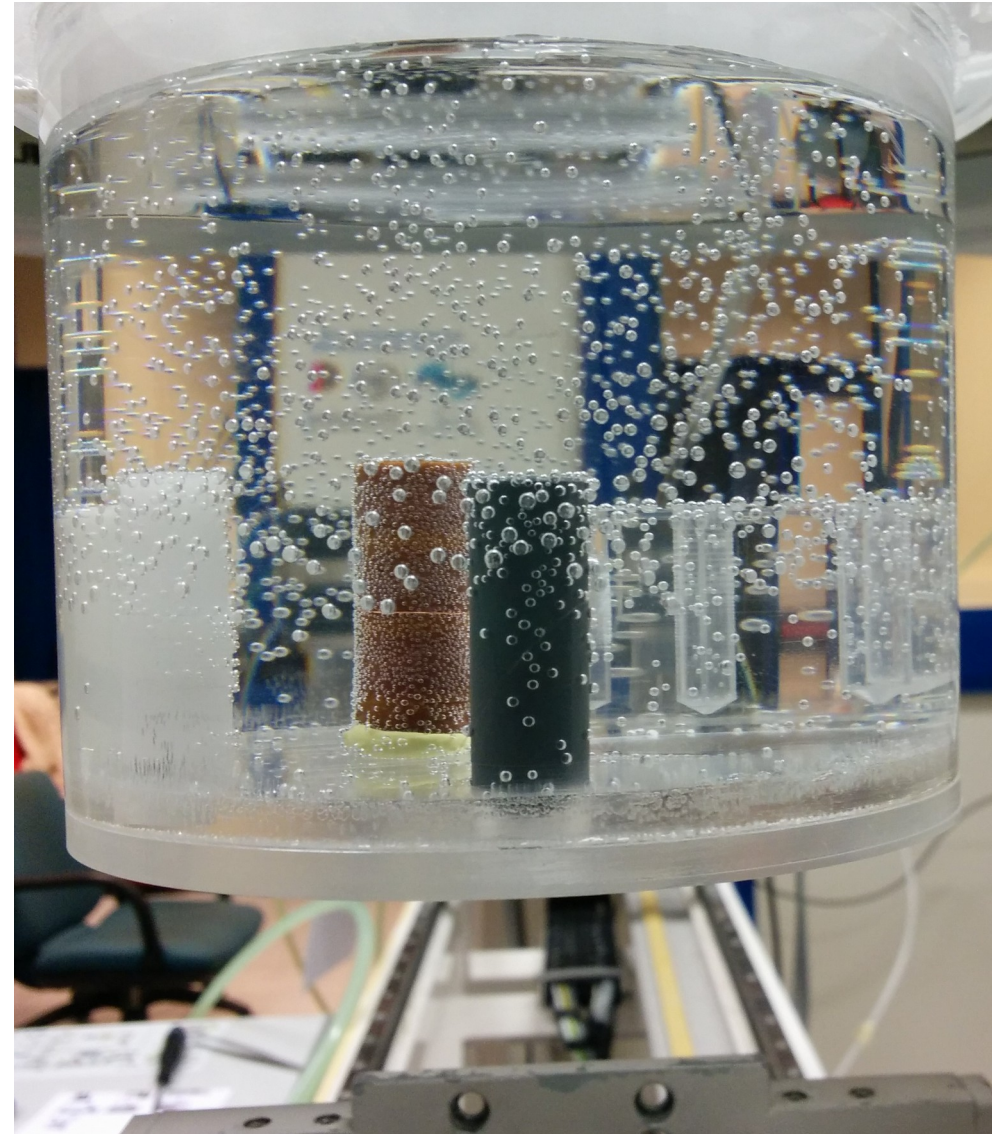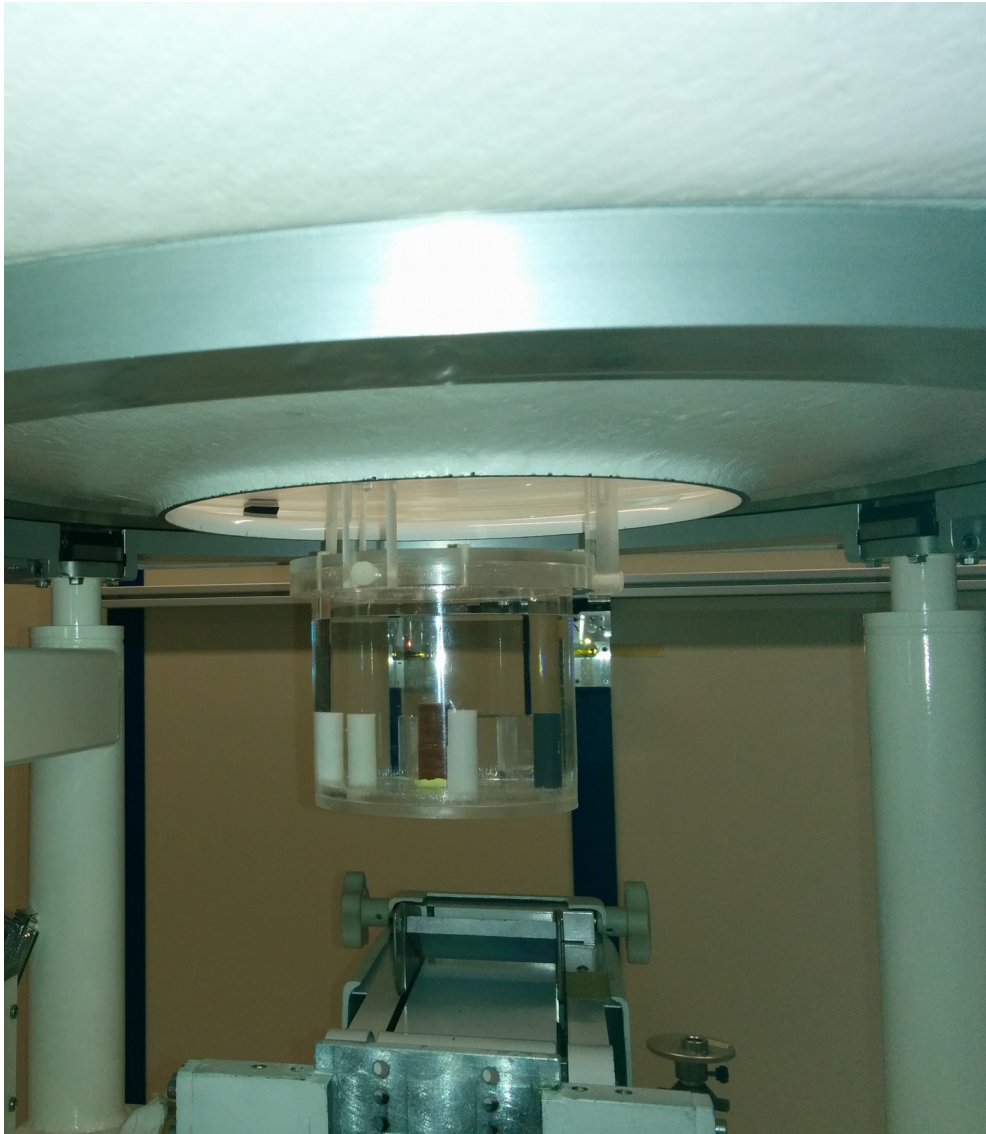# Fantoccio QC per misure di contrasto

Fantoccio QC per misure di contrasto

Fantoccio QC per misure di contrasto

Che problematiche emergono

dall'utilizzo di questo fantoccio?

In che direzione andare per ottimizzarlo?

Per saperlo, bisogna guardare le immagini...