



CUSTOMER REFERENCE

Phantom made from NECURON® 1007

Customer:	Martens Kunststofftechnik, Bönningstedt, Germany (Engineering: Positronic Systemtechnik GmbH, Rellingen, Germany)
Products used:	NECURON® 1007
Branch:	Medical technology
Application:	Production of phantoms for the calibration of computer tomographs

1. ISSUE

Carrying out test measurements on an X-ray computer tomograph for the purpose of calibration

2. SOLUTION

CNC milling of phantoms made of NECURON® 1007, e.g. to simulate the cross-section of the human body in the CT.

After milling, the markings for the calibration are applied to the phantoms.

3. RESULTS

With the Phantom Bodyshape from NECURON® 1007, geometric device settings, data transfers and applied dose values can be checked for the entire chain of the radiation therapy process.

The size, the longitudinal, transverse and height markings, the blind plugs for the different materials and the shape based on a body contour allow quality assurance and the control of compliance with technical error limits with great accuracy and under realistic conditions for radiation therapy for patient irradiation.

NECURON® 1007 is ideally suited for this application, due to its density, very good surface quality and precision.

APPLICATION IMAGES

