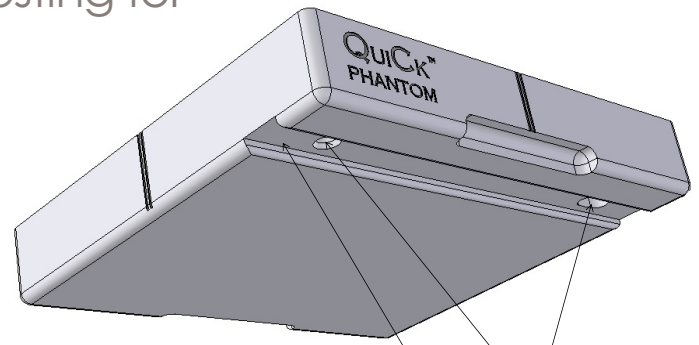


gafchromic™ quick™ phantom

fast and accurate end-to-end testing for patient treatment verification

description

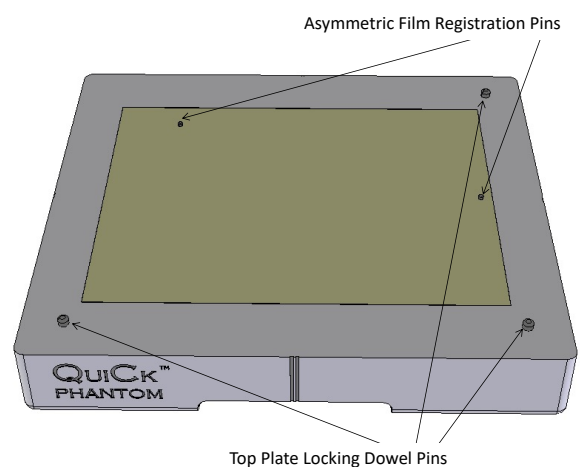
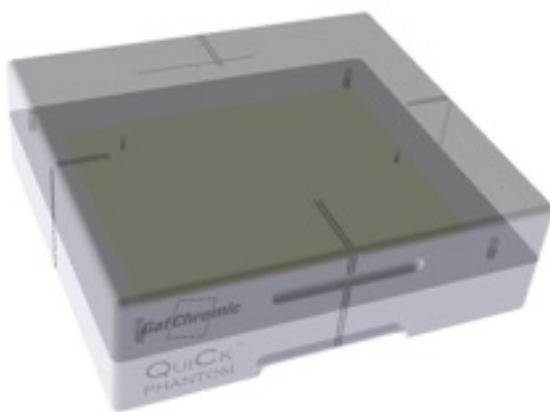
The Gafchromic™ Quick™ Phantom was designed for fast and accurate end-to-end testing for patient treatment verification. Gafchromic™ EBT3P film is customized EBT3 film for use in the Quick™ Phantom. The EBT3P film has holes in the film that correspond to the pins in the Quick™ Phantom to prevent film movement and provides automated registration. The Quick™ Phantom offers unprecedented speed, convenience and accuracy for Radiation Therapy QA procedures using radiochromic film.



Groove and two holes to fit standard two Pin patient positioning index bar

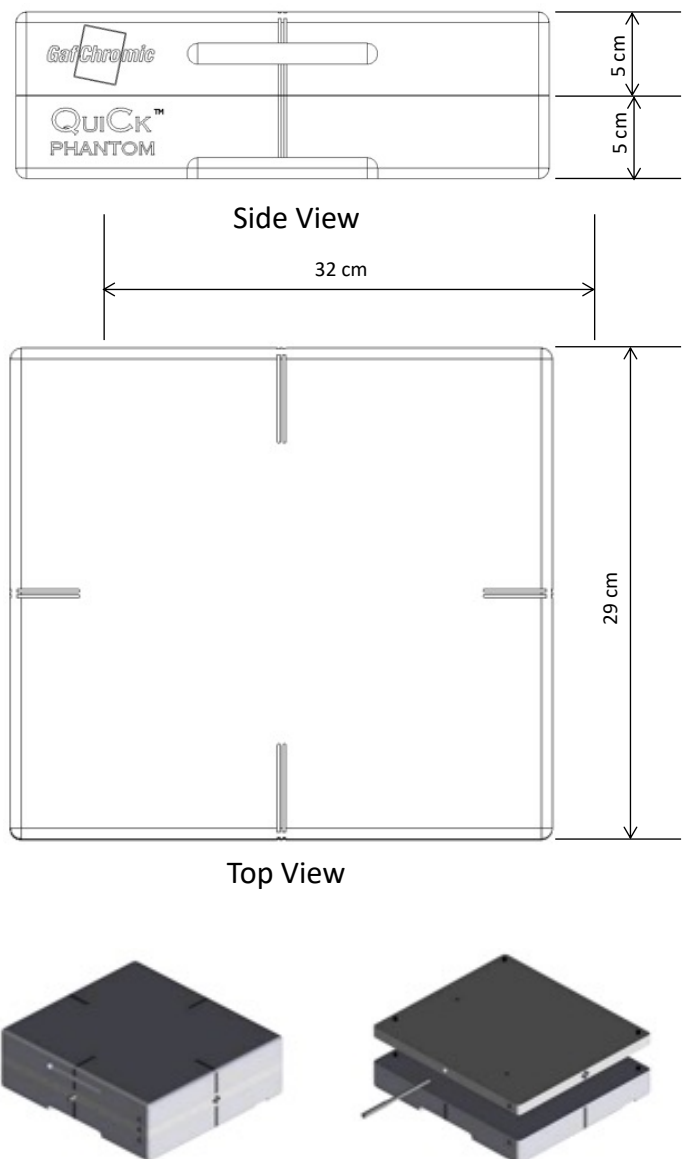
how it works

- the base of the phantom has a groove and two holes to accommodate a standard two pin index bar for accurate and reproducible positioning
- the top and four sides of the phantom are engraved to facilitate accurate setup in all orientations
- pins are embedded asymmetrically in the phantom ensure accurate coordinates and orientation recognition in CT scans
- automated registration when used with Gafchromic™ EBT3P and FilmQA Pro™ software



features

- phantom body—two slabs of plastic water water-equivalent to within 1% from 160 keV to 25 MeV
- dimensions: 29 x 32 x 5 cm³
- phantom positioning—with a standard two-pin indexing bar the groove located on the bottom of the phantom, the Quick™ Phantom provides quick, accurate and repeatable positioning of the phantom on both CT and treatment couches
- film position is indexed to the treatment couch allowing the comparison of the dose measurements to the treatment plan to be regarded as true end-to-end QA test of the treatment system
- asymmetric features and fiducial patterning for correct orientation recognition in TPS
- film positioning pins—the asymmetric placement of two film registration pins in the Quick™ phantom and the corresponding two-hole pattern on Gafchromic™ EBT3P film means there is only one possible orientation for the film in the phantom
- FilmQA Pro™ software has a unique feature that recognizes the fiducial pattern on the film image and automatically aligns it with the treatment plan for quick and accurate analysis and facilitates end-to-end QA test of the treatment system
- the Quick™ Phantom is also available with an optional 2 cm thick slab of Plastic Water for pin-point Ion Chamber insertion
 - this slab is cut to lock to center while sandwiching the film—available for A14, A1SL, and 31016 ion chamber



product	format	product code
gafchromic™ quick™ phantom starter package	29 x 32 x 5 cm ³ with one box of EBT3P	842062
gafchromic™ quick™ phantom insert for ion chamber A14	11.417" x 12.598"	864037
gafchromic™ quick™ phantom insert for ion chamber A1SL	11.417" x 12.598"	864038
gafchromic™ quick™ phantom insert for ion chamber 31016	11.417" x 12.598"	862903
gafchromic™ EBT3P	8x10"; 25 sheets	841975

for U.S. orders and inquiries email:
AdvancedOrders@ashland.com

for international orders and inquiries email:
AdvancedMaterialsOrders@ashland.com

ashland.com/contact

® Registered trademark, Ashland or its subsidiaries, registered in various countries
™ Trademark, Ashland or its subsidiaries, registered in various countries
© 2021, Ashland / PHA21-016

The information contained in this document is intended for use only by persons having technical skill and at their own discretion and risk. All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Ashland and its subsidiaries assume legal responsibility. Certain end uses of our products may be regulated pursuant to rules governing medical devices. A purchaser must make its own determination of our products' suitability for purchaser's use, whether alone or in conjunction with other products, the protection of the environment, and the health and safety of its employees and customers. It is also the purchaser's responsibility to comply with all applicable legal and regulatory requirements (including those governing medical devices). We make no warranty against infringement of any patents by reason of purchaser's use of any of our products.

