

Ysio wi-D is the latest digital radiography solution that combines two different detector designs for optimal workflow enhancement.

Not Just the Regular Mobile Detector

Siemens takes mobile detector technology a step further, enhancing flexibility and improving workflow by going wireless. The wireless detector of the new Ysio wi-D* means easy detector handling and positioning without constraints of cable length and furniture placement in the room. As a member of Siemens universal digital radiography solutions, Ysio wi-D provides the best of both worlds with an integrated detector in the wall stand and the wireless mobile detector (wi-D) in the table. The table detector can be removed for out-of-bucky work. The design delivers flexibility in detector utilization to cover nearly all radiographic projections.

Aside from the mobility benefits of going wireless, the ingenuity of the design includes a battery pack and electronics for wireless local area network (LAN) transmission. The Ysio wi-D detector weighs less than five kilograms. Its robust design is optimal for daily handling in the clinical environment, and it is sufficiently watertight for safety and hygiene. For workflow enhancement, Ysio wi-D offers fully automated system positioning linked to organ programs for fast workflow and a touchscreen user interface for convenient imaging parameters modification. With the latest generation of detectors, Ysio wi-D will be primed for future technological applications.

* The information about this product is preliminary. The product is under development and not commercially available in the USA, and its future availability cannot be ensured.

[www.siemens.com/
AXIOM-RSNA-2007-wi-D](http://www.siemens.com/AXIOM-RSNA-2007-wi-D)



Fluorescence-guided Surgery

In today's surgical environment, the need for minimally invasive procedures and cutting-edge technology becomes ever more important. Siemens Medical Solutions and the Center for Molecular Imaging Research (CMIR) at Massachusetts General Hospital (MGH) in Boston, USA, have been working together for four years as part of a strategic alliance to further the field of molecular imaging and test cutting-edge imaging applications in laboratory models and clinical studies.

Just recently, a new generation of contrast agents using optical fluorescence-labeling technology was developed that could change the way in which surgeons detect cell abnormalities such as cancer. Fluorescence-guided surgery can help determine the procedure needed to wither, repair or remove affected tissue.

As part of its collaboration, Siemens has also invested in VisEn Medical, Inc., a company that is developing and commercializing imaging technologies that translate the recent breakthroughs in genomics and proteomics into real-time, in vivo molecular mapping of disease states. The imaging technology that has resulted out of this collaboration should help revolutionize surgical intervention.

[www.siemens.com/
Solutions-RSNA-2007-Fluorescence](http://www.siemens.com/Solutions-RSNA-2007-Fluorescence)



Large Volume syngo DynaCT could enhance imaging possibilities in today's interventional radiology.

Large Volume syngo DynaCT

Completely new imaging possibilities have become available with Large Volume syngo® DynaCT*. With Artis™ zeego*, the new multi-axis system for interventional imaging, it is now possible to acquire a larger 3D volume with a flat detector than ever before – an industry first. A diameter of 47 centimeters and a

height of 18.7 centimeters can be covered. This extended field of view is especially important to treat liver tumors via chemo-embolization, as it can visualize the whole liver. Better coverage of the abdomen plays an important role when imaging already enlarged livers or obese patients. Needle work, biopsies, and radiofrequency ablations can be easily completed with full orientation due to the excellent large volume soft-tissue imaging. Even in portrait mode, large volumes can be acquired with syngo DynaCT. In this mode, it is possible to acquire volumes with a 25-centimeter height and a 35-centimeter diameter. This extended field of view allows coverage of the whole thoracic spine. It is very helpful when performing spinal procedures such as vertebroplasties, kyphoplasties, lumbar punctures, and myelographies. The portrait mode is also a valuable application for carotid stenting. The results of the stenting procedure can be verified immediately after placing the stent. The cerebral vessels as well as the carotid artery can be seen in one image.

* The information about this product is being provided for planning purposes. The product is pending 510(k) review, and is not yet commercially available in the USA.

[www.siemens.com/
AXIOM-RSNA-2007-DynaCT](http://www.siemens.com/AXIOM-RSNA-2007-DynaCT)