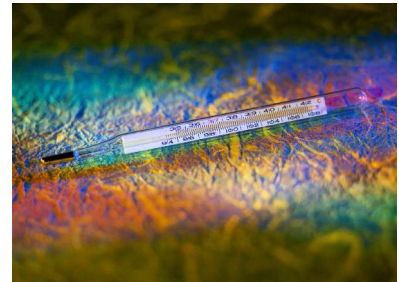


High performance screens for digital X-ray imaging

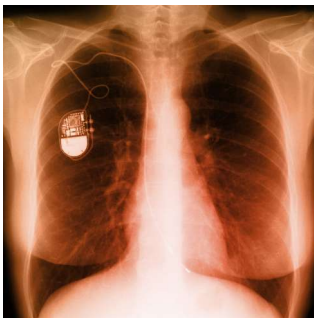
Higher quality images at lower x-ray doses are the demands set by healthcare professionals. Applied Scintillation Technologies (AST) provides these attributes in the MedeX range of screens for the digital imaging market.



General radiography and fluoroscopy screens

MedeX Superfine shows the ultra fine detail required in small area medical and dental applications. These cost effective screens can be used with both radiation hard CCDs and CMOS devices. MedeX Superfine is the screen of choice for resolution critical applications.

MedeX Fine is optimized for high-resolution imaging of soft tissue for identification of micro-calcifications. These premium screens are safer for the patient as their high gain characteristics allow images to be taken at lower X-ray doses. (Available from Q3)



MedeX Medium is particularly suited for use in light starved environments such as lens-coupled imaging systems, where it provides the optimum compromise between resolution and light output.

MedeX HE simplifies amorphous silicon flat panel imaging system design, where light yield is of premium importance, by providing light output around 40% greater than comparable screens plus a competitive resolution.

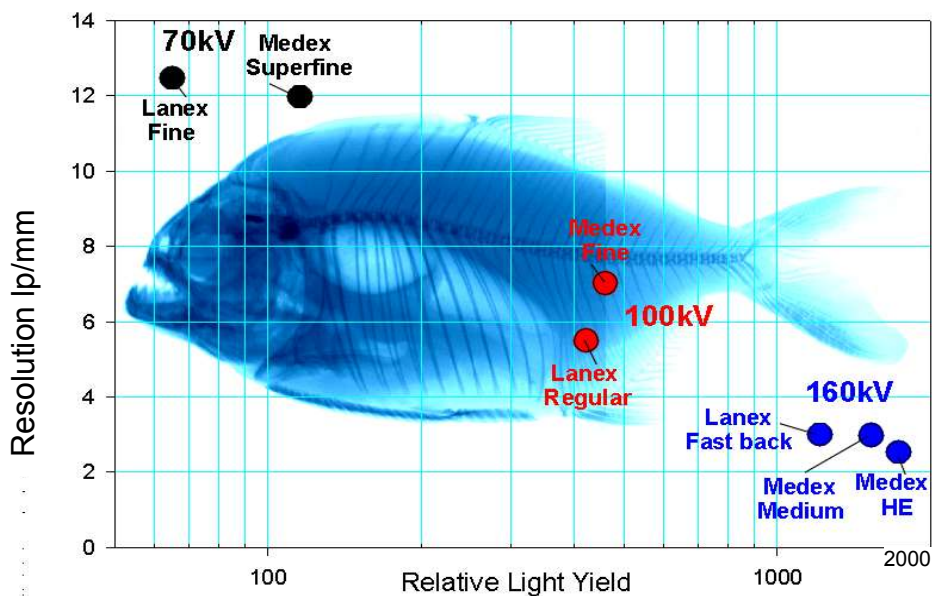
Therapeutic radiography and oncology

MedeX Portal is AST's answer to the demands posed by high-energy radiography. "Stopping" sufficient X-rays and distinguishing the signal from the X-ray noise in this highly irradiative environment have been overcome by AST in MedeX Portal screen.



MedeX Portal provides enhanced image quality due to its market leading signal:noise ratio (as high as 50 times better than competitive screens). Coupled with its unique non-burn long lifetime characteristics make MedeX Portal the screen of choice in high energy, up to 25MeV, radiotherapy imaging systems.

MedeX screens vs competitive screens



Availability

Free sample screens 75mm x 75mm are available on request.

The MedeX range of screens comes in standard sizes: 30cm x 40cm, 14" x 17" and 17" x 17" (except for MedeX Superfine max. 30cm x 40cm.)

Custom sizes are available so please call a member of our sales team for further details. All screens can be optionally mounted to a variety of backing plates. Most screen sizes are available for immediate dispatch.

Should one of our standard range of products not meet your requirements, AST has the knowledge and expertise based on years of experience to partner you in the development of custom products for X-ray imaging in the medical market.