

X-ray Intensifying Screens

for Radiography and Autoradiography



**Highest quality screens
for all applications**

Xograph
IMAGING SYSTEMS

Uniformity Definition Speed

Xograph *X-ray Intensifying Screens* are available for a variety of radiographic and laboratory autoradiography uses. Both blue and green emitting types are available and metric or imperial size requirements can be met.

PHOSPHOR TECHNOLOGY

Xograph *X-ray Intensifying Screens* employ either a blue/blue-violet emitting calcium tungstate phosphor, a rare earth blue emitting phosphor or a green emitting rare earth phosphor. The general characteristics of our screens are those of high definition, high speed and negligible screen mottle with reduced patient dose. A range of speeds are available in both blue and green types to cater for most applications

SCREEN TYPES

Xograph can offer two main categories of intensifying screens - blue emitting screens and green emitting screens.

Green Emitting Screens

Xograph's green emitting range employ rare earth phosphors. Our *Green-X* screens are becoming extremely popular due to their superior exposure/dose reduction characteristics:

- Green-X2** - A very fine detail screen suitable for radiography of extremities giving very fine bone detail. This screen can also be supplied individually for mammographic use.
- Green-X4** - A mid-speed general purpose screen giving sharp images with improved exposure reduction.
- Green-X8** - Our most popular green emitting screen. Using a very high speed phosphor coating to ensure greatly reduced exposure times with minimal loss of resolution. Ideal for general purpose and ward, casualty or obstetric radiography where minimum patient dose or exposure times are necessary.

Other types of screen may be available. Please contact Xograph if you have a special requirement.

Blue Emitting Screens

Xograph's blue emitting range consists of three speeds of intensifying screen as follows:

- Fine-X** - A very fine detail calcium tungstate screen ideally suited to radiography of extremities where very fine bone detail is required.
- Speed-X** - A mid-speed calcium tungstate screen for general purpose use giving sharp images with the benefits of exposure reduction.
- Hi-Speed-X** - Our fastest and most popular calcium tungstate blue emitting screen to date. Using a very high speed calcium tungstate coating to ensure greatly reduced exposure times with minimal loss of resolution. Ideal for use in ward, casualty or obstetric radiography where minimum patient dose or exposure times are necessary.
Hi-Speed-X screens are also the perfect choice for laboratory autoradiography where they are proving themselves to be the most favoured screens available today. *Hi-Speed-X* are suitable for use with ³²P, ¹²⁵I and other γ emitting radioisotopes. Blue emitting rare earth screens are also available to special order.

QUALITY CONTROL

Xograph employs strict quality control procedures during the manufacturing and coating process of its intensifying screens. This ensures that only screens of the highest purity, uniformity and of optimum performance are produced, enabling you to achieve the best possible results every time.

X-ray Intensifying Screens Specifications

- Sizes - Metric (cm.) 13x18, 15x30, 15x40, 18x24, 18x43, 20x40, 24x30, 30x40, 35x35, 35x43cm
- Imperial (In.) 5x7, 8x10, 7x17, 10x12, 15x12, 14x14, 14x17 Other sizes to special order.

Types - BLUE CaWO₃:

Type	Rel.Speed	Rel.Sharpness
Fine-X	50	115
Speed-X	100	100
Hi-Speed-X	200	65

GREEN Rare Earth

Type	Rel.Speed	Rel.Sharpness
Green-X 2	100	112
Green-X 4	200	100
Green-X 8	400	66

Mammography, graduated and other special screens available to order.



Due to our policy of continual improvement, we reserve the right to change these specifications without prior notice.

Xograph Imaging Systems Ltd, Medical Imaging Division,
Xograph House, Hampton Street, Tetbury, Glos GL8 8LD, UK

Tel: (+44) 01666 501501
Fax: (+44) 01666 501502

E-mail: enquiry@xograph.com
Website: http://www.xograph.com