

# New!

# KYOKKO

## KYOKKO GREEN EMITTING X-RAY INTENSIFYING SCREENS

# KYOKKO GREEN SERIES

Using High Quality  $Gd_2O_2S:Tb$  Phosphor

## HIGH IMAGE QUALITY and HIGH DURABILITY

- KYOKKO GREEN SERIES SCREENS are made using a high efficiency, green emitting rare earth X-ray phosphor, Gadolinium Oxysulfide activated with Terbium. These screens are designed to be used with orthochromatic X-ray film. They offer an excellent radiographic image quality including not only high sharpness and good granularity but also keeping a good balance among various properties, durability, uniformity and reduction of patient exposure.
- KYOKKO GREEN SERIES SCREENS have a very uniform and dense structure. Superior image quality is achieved through the application of sophisticated coating techniques and phosphor technology. The finest radiographic images are obtained from a highly optimized balance of speed, sharpness and low mottle, thus making it possible to obtain the finest radiographic images when used with green sensitive X-ray film.
- The highly durable protective film and flexible PET support base prevent the screens from being stained by many chemicals and from damage caused by abrasion and scratches.

### KYOKKO GREEN FAST PLUS

This screen, with a relative system speed of 800, is best suited for radiography of the abdomen and lumbar spine and in applications requiring the maximum in dose reduction.

**SPEED 800**  
(Super High Speed)

### KYOKKO GREEN REGULAR

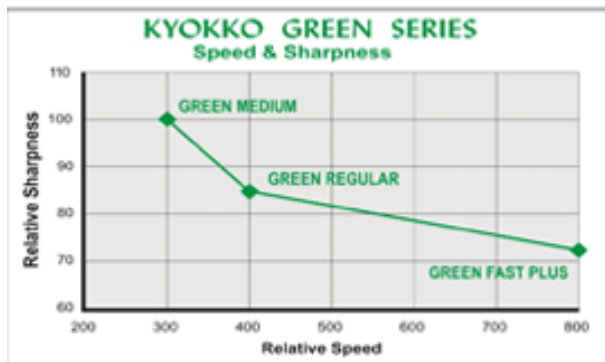
This type has a relative system speed of 400 and is suited for radiographing the chest, stomach, abdomen and lumbar spine. It is highly recommended for all general radiographic procedures, providing an optimum balance of dose reduction and image quality.

**SPEED 400**  
(Standard Speed)

### KYOKKO GREEN MEDIUM

This type has a relative system speed of 300 and is suited for radiographing complex structured parts such as joints or extremities.

**SPEED 300**  
(High Sharpness)



Mfg. by  
MITSUBISHI CHEMICAL CORPORATION, JAPAN

Marketed by  
CHOKSI IMAGING LTD.

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New Products



## KYOKKO INTENSIFYING SCREENS

# Series-BLUE

High Quality  $\text{CaWO}_4$  Intensifying Screens  
*Calcium Tungstate Intensifying Screens*  
*For Quality Performance*

## KYOKKO BLUE

**High Plus**

*Very high speed*

**Super High Speed**

*High speed with high sharpness*

**Universal**

*Medium speed with high sharpness*

**Fine**

*Ultra-sharpness*

Series-BLUE Intensifying Screens offer a heightened radiographic quality including not only sharpness but also granularity while keeping a good balance among various properties, and also prove their real worth in detecting those affected parts which are of low contrast.

- Characteristics :**
1. A novel screen coloring technique (patent:USP-4696868, EP-178592) permits it to produce a radiograph with extreme clarity, on account of its selective absorption of cross-over light which is the major cause of unsharpness and its absorption of light scattered within the phosphor layer.
  2. Its fine definition and lower mottle makes it possible to make diagnosis and radiograph of objects from limbs to lumbar-vertebrae and serves for reducing total X-ray exposure to each patient consequently.
  3. Polyester base and protective film prevents the screen from being stained by X-ray films and screen cleaners and also from scratches and other surface damages.
  4. Antistatic protective film with newly designed surface fine undulation prevents static electricity generation and improves the film transport properties for day-light film handling units and film changer units.



# Series- BLUE Intensifying Screens

## KYOKKO BLUE

### High Plus

It suits best to radiographing abdomen and lumber-vertebrae, and permits further to attain better radiographic quality in the cases of short time exposure radiography and a small-focus X-ray tube.

### Super High Speed

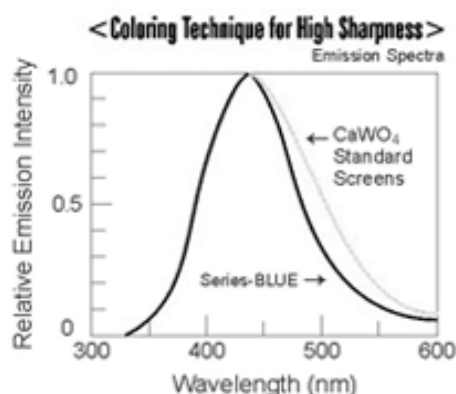
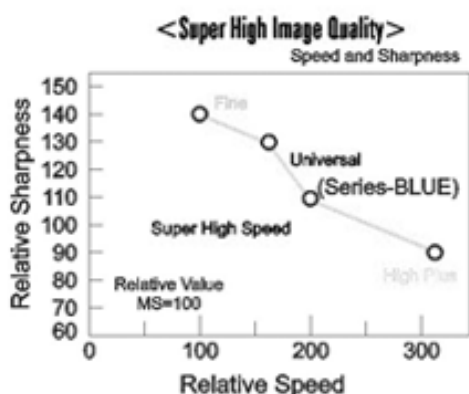
Best suited for radiographing the stomach, abdomen and lumbar spine where X-ray absorption is great and such parts as genital glands where exposure dose has to be minimized.

### Universal

Minute affected parts as small as 0.5-1 mm, extremely important in diagnosing, and radiographing with superior sharpness. It is best suited for radiographing such parts as the chest, skull and stomach.

### Fine

This grade is suited for diagnosing complex-structured parts of the upper and lower limbs and the skull by upgrading the resolving power in the high spatial frequency range.



## APPLICATIONS

Objects	Extremities	Joints	Chest	Skull	Stomach	Lumber-vertebrae	Urogenital Organ
Type (Speed)							
High Plus (320)							
Super High Speed (200)							
Universal (160)							
Fine (100)							

KYOKKO Intensifying Screens are readily available in sizes up to 14 x 42" or 30 x 120 cm.

- ★ Only Screen Cleaner should be applied for cleaning KYOKKO Intensifying Screens.
- ★ Packaging and outer appearance may be changed without notice.



## KASEI OPTONIX, LTD.

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Kanagawa, 250-0862  
Japan  
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# Series-SPECIAL Intensifying Screens

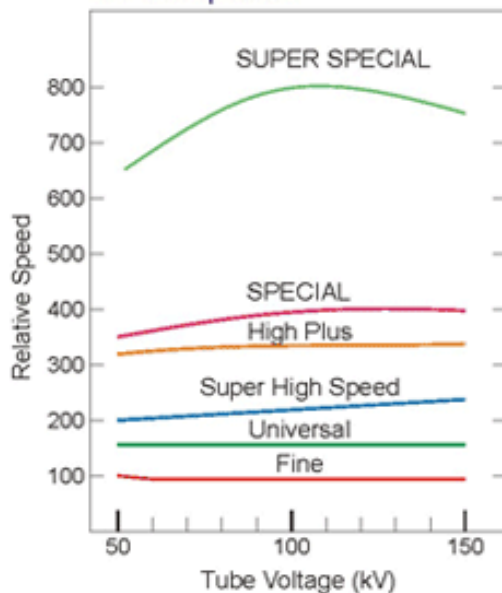
## SUPER SPECIAL (Speed 800)

This grade is the highest speed intensifying screen having the speed 3.2 times of KYOKKO BLUE Super High Speed, incorporating  $BaF_2 \cdot BaCl_2 \cdot xBaSO_4 : Eu^{2+}$  and  $CaWO_4$  phosphor which exhibits a large X-ray absorption and a high luminescent efficiency. As its radiation ranges from near ultraviolet to blue, cross-over effect is minimized and it renders high sharpness despite its high speed.

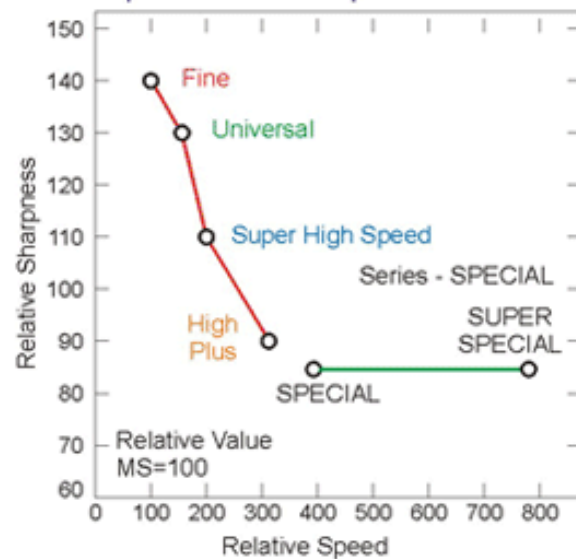
## SPECIAL (Speed 400)

This grade offers an excellent image quality with well-balanced sharpness and granularity by its double-layer structure, combining  $BaF_2 \cdot BaCl_2 \cdot xBaSO_4 : Eu^{2+}$  phosphor which provides high speed and high sharpness and  $CaWO_4$  phosphor which excels in granularity. (U.S. Patent 4109152) It exhibits a high speed 1.8 times of KYOKKO BLUE Super High Speed with a definition equal to KYOKKO BLUE Super High Speed and enables to reduce X-ray exposure dose by 40%.

kV Response



Speed and Sharpness



KYOKKO Intensifying Screens are readily available in sizes up to 14 x 42 inches.

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