

KOWORASE X

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Erase device for CR Imaging Plates (IP)



2-Phase external cleaning of even highly stressed CR Imaging Plates to Erasure and Burn-In levels requested in ASTM E2445

KOWORASE X Erase device for CR Imaging Plates (IP)

The KOWORASE X is a highly efficient tool for external erasing of CR imaging plates (IP).

Due to the 2-phase cleaning process even highly stressed imaging plates can be recovered to performance levels requested in ASTM E2445 for both tests – Erasure and Burn-In ($\leq 2\%$ PV or nonvisible).

Even so-called Ghost Images or Burn-Ins can be erased satisfactory - Ghost Images or Burn-Ins are artefacts which are nonvisible after erasure but become visible on image of following exposure.

In phase 1 the imaging plate is exposed to complete saturation (ca. 65,000 grey values) with UV-light while in phase 2 imaging plate is erased with LED-light to ca. 90 grey values.

Total time for an erase process is between 3 and 6 minutes dependent on condition (number of exposures), intensity of burn-in and age of imaging plate.

Use of KOWORASE X:

Opening drawer, inserting imaging plates on drawer, closing drawer, starting cleaning process, removing imaging plates when process is finished, Imaging plates are ready for new excellent X-ray exposures.

Specification:

Housing :	stainless steel
Drawer:	500 x 400 mm (W x D)
Active Erasure Area:	490 x 370 mm (W x D) *)
Imaging Plates (IP) :	1x 14 x 17 inch (35 x 43 cm)
(max. possible IPs	2x 15 x 48 cm
per erasing process	3x 10 x 48 cm
exemplary)	6x 6 x 48 cm
Light Sources:	
phase 1 - exposure :	UV-CCFL 250 nm – 40 W
lifetime/ cycles	25,000 h \approx 500,000
phase 2 - erasure:	LED 6500 K – 80 W
lifetime/ cycles	30,000 h \approx 500,000
Controller :	TI484801 - dual process timer
Power Supply:	90 ... 260 V / 47 ... 63 Hz / 90 W
Dimensions:	58 x 48 x 39 cm (W x D x H)
Weight unit:	29 kg



**) films longer 48 cm must be erased in more steps by pushing thru side openings
In-/outfeed tables can be mounted left and right at the side openings in the housing*

Scope of supply:

KOWORASE X Erase Device **Article No.: 12 39050**
Certificate of Conformity

Accessories:

KOWORASE X Infeed table **Article No.: 12 39053**
for long IPs, 450 x 400 mm

