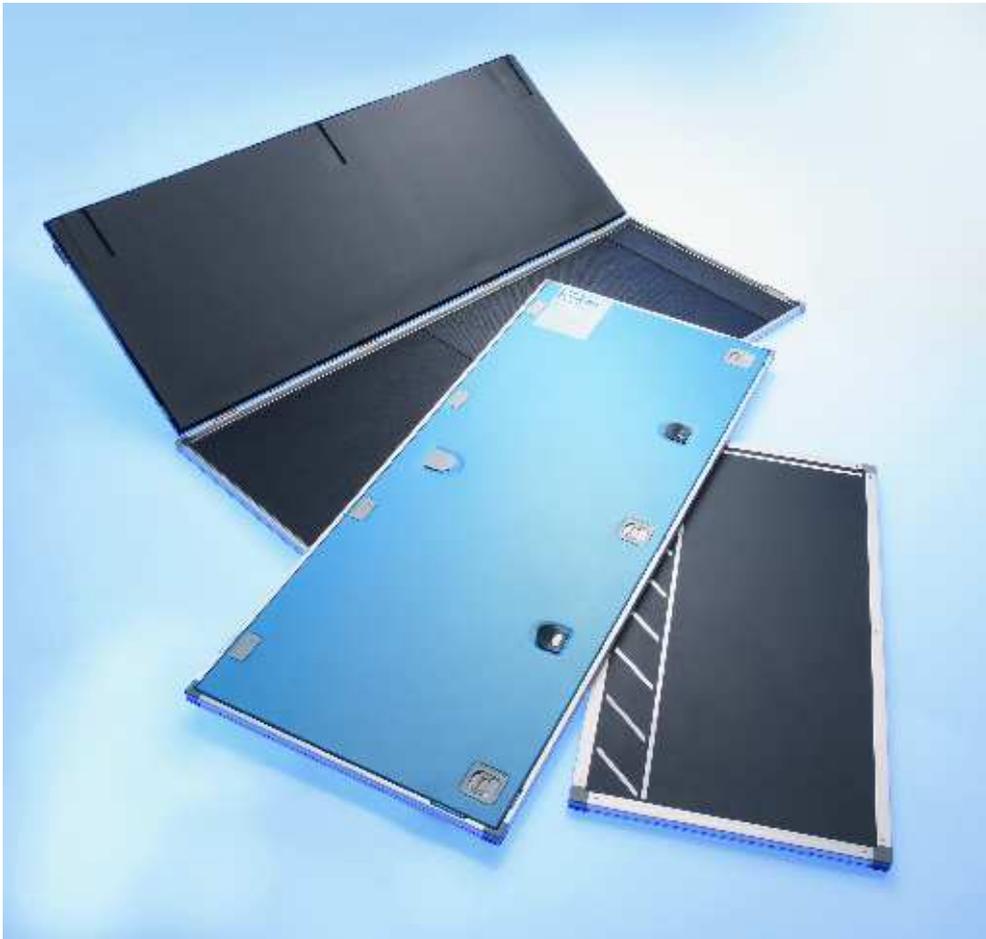


# CAWO MMS CR-FLFS Cassettes



Full-Leg-Full-Spine X-ray Cassettes  
for digital applications

 **Solutions**

## Application

The MMS CR-FLFS Cassette is designed to be used for full leg or full spine examinations with imaging plates, using a single x-ray exposure.

## Required components

- MMS CR-FLFS Cassette format 30x60cm:  
2 CAWO ABS-CR cassettes and  
2 imaging plates size 24x30cm
- MMS CR-FLFS Cassette format 35x90cm:  
2 CAWO ABS-CR cassettes and  
2 imaging plates size 35x43cm
- MMS CR-FLFS Cassette format 35x129cm:  
3 CAWO ABS-CR cassettes and  
3 imaging plates size 35x43cm

## Handling

The handling of the CAWO MMS CR-FLFS Cassette is similar to the use of conventional screen/film “Long-Length” cassettes; the screen/film combination is effectively replaced by imaging plates. During exposure a field reseau overlies the x-ray beam, resulting in a regular net of thin parallel horizontal and vertical lines shown on the images. The stitching of the single images of each CR plate is done at the CR Acquisition & ID Workstation. The resulting stitched image is added to the exam. Indicated below is a step by step detailed description of how to use the CAWO MMS CR-FLFS Cassette, size 35x129cm. The other smaller formats are handled in the same way but using only two imaging plates instead of three.

## Grids

High-performance anti-scatter parallel grids N70, ratio 6, for CR applications can be mounted.

Characteristics of the products described in this publication can be changed at any time without notice.

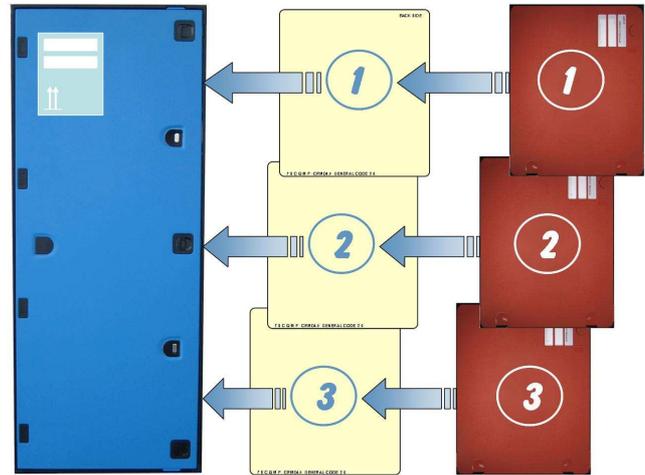
 **Solutions**

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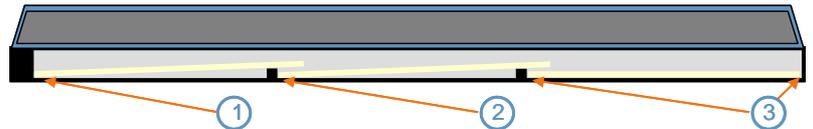


## Positioning of imaging plates in the MMS CR-FLFS Cassette

Take the imaging plates carefully out of the ABS-CR cassettes and place them face down into the MMS CR-FLFS cassette (active side to the tube side of the cassette; back side up to the cassette cover). Take care to place the plates in the correct order.



Due to the internal construction of the MMS CR-FLFS Cassette the imaging plates overlap by 9mm.



The position of the plates is stabilised thanks to a special foam attraction system, which has low absorption. The phosphor of the plates is protected by a laminated fleece in the MMS CR-FLFS Cassette.

## Exposures

After placing the imaging plates into the CAWO MMS CR-FLFS Cassette the examination can be performed. Please make sure the MMS CR-FLFS Cassette is correctly oriented (top/bottom). The label on the cassette cover can be used as an orientation.

## Removal of plates

After exposure the imaging plates can be returned to the ABS-CR cassettes. Please take care that plate no. 1 is placed into cassette no. 1, plate no. 2 into cassette no. 2 and finally plate no. 3 into cassette no. 3. Now the ABS-CR cassettes have to be identified in that order. Afterwards the plates can be digitized.

## Scanning

For scanning of the plates place the cassettes in the above mentioned sequence into your CR digitizer. For further specific information, please refer to the CR acquisition workstation manual.