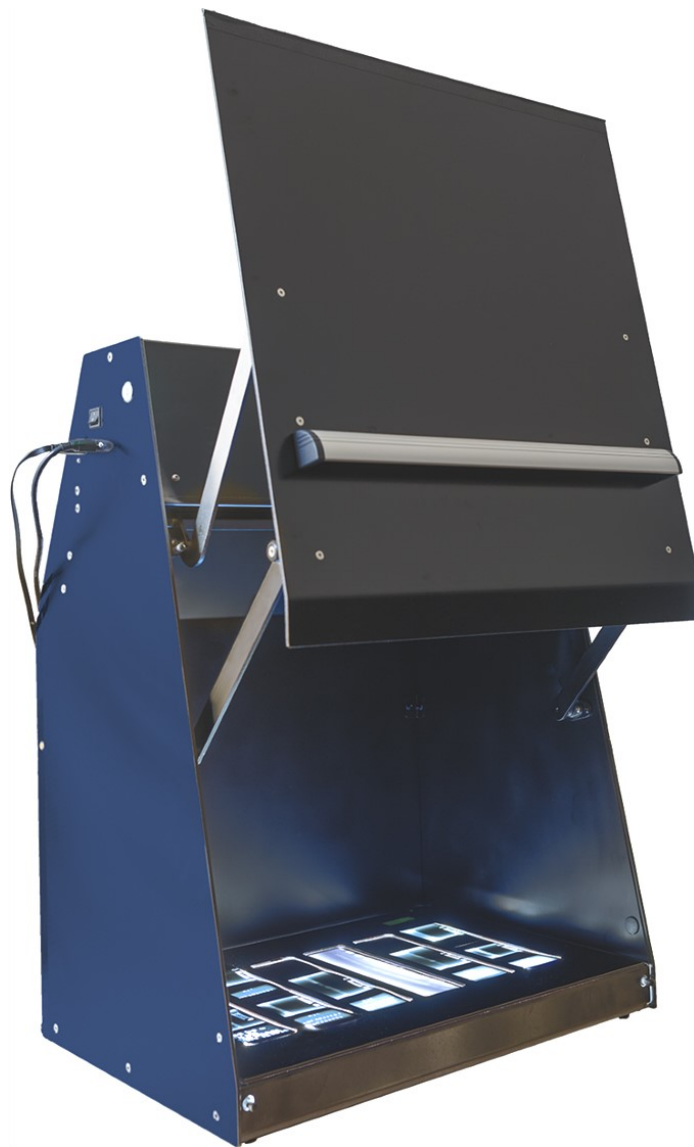


KOWOSCAN X50

KOWOSCAN X50

X-ray HiRes Film Digitizer

according to DIN EN ISO 14096



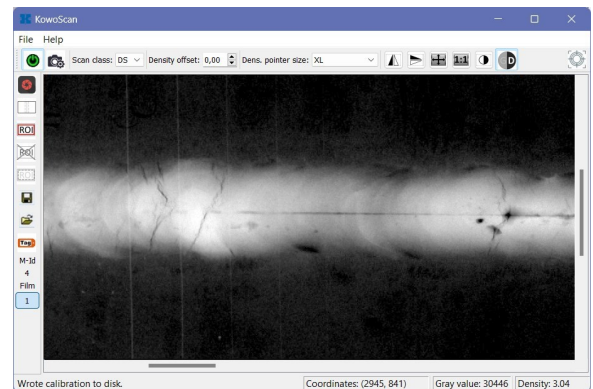
Digitization of X-ray films within seconds
meeting digitization quality class DS (ISO 14096)

KOWOSCAN X50 NDT Film Digitizer

The KOWOSCAN X50 is a very effective and fast tool for digitizing X-ray films in digitization quality class DS using completely new technique. An Ultra HighRes 2D digital camera takes images of X-ray films which are placed on a highly uniform illuminated screen within seconds. Several smaller films can be placed on the large scanning area for simultaneous scanning. The easy to use KowoScan software recognizes the film size and separates multiple films to single images automatically to store in DICONDE or TIF format.

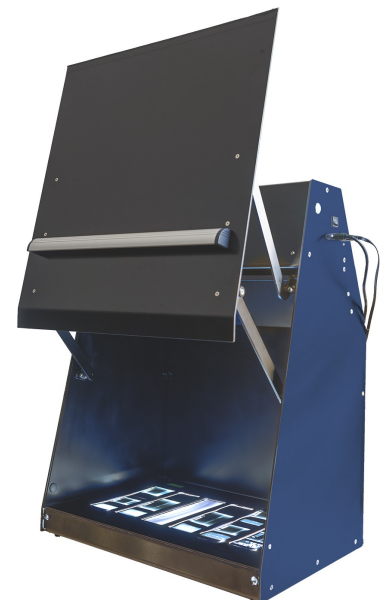
Features and advantages:

- ◇ very high throughput for fast digitization of high amount of films
- ◇ several smaller films within one scan, automatic film size recognition
- ◇ very low maintenance efforts, no movable parts
- ◇ Region Of Interest (ROI) function for perfect film region
- ◇ measurement of optical density with a "mouse pointer"
- ◇ magnification and window leveling with the mouse
- ◇ magnification, mirroring, rotating, display 1:1 and full screen function
- ◇ scanning of films with density $D < 0.5$ or $D > 4.5$
- ◇ DICONDE tag editor with automatic functions
- ◇ easy linking to any evaluation software



Specification:

Scanning size:	300 x 450 mm - max. width: 360 mm, length: 480 mm *)
Digitization quality class:	DS **) according to EN ISO 14096 and ASTM E1936
Native scanner pixel size:	49 µm
Scanning resolution (vSRb):	50 µm (with Duplex wire type IQI or MTF)
Scanning time:	class DS 15 s - class DB 10 s - class DA 6 s (for film 30x40 cm)
Density range (DWR):	D 0.2 ... D 5.0 with linearity of D 0.02
Contrast sensitivity (ΔD):	ΔD 0.02 - D 0 ... 4.5
Data format:	DICONDE or TIFF (16 Bit density or gray value images)
Camera resolution:	9576 x 6388 pixel; 22 Bit image sampling (eff.)
Communication port:	USB 3.0 / USB B plug
Power Supply:	100 ... 240 V, 50 ... 60 Hz / 24 V DC, 160 W
Dimensions:	57 x 44 x 79 cm (W x D x H)
Weight unit:	25.8 kg plus 1.0 kg (external power supply)

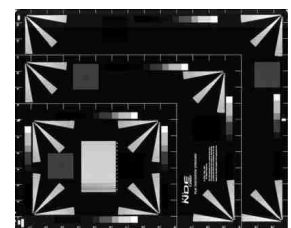
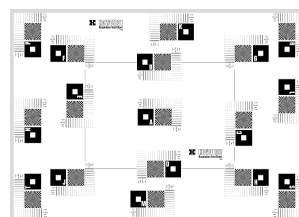


*) films larger 45 cm in length or 30 cm in width must be scanned in two steps and stitched

**) class DS cannot be reached for films exposed lower 100 kV (SRb 40 µm)

Scope of supply:

KOWOSCAN X50 Film Digitizer, complete with:	Art. No.: 13 42100
KowoScan Software	Art. No.: 13 42110
KOWOSCAN Resolution Test Chart	Art. No.: 13 42120
Mask for films - 10x24 cm (4-fold)	Art. No.: 13 42133
Test certificate, Certificate of Conformity	



Accessories:

Reference Radiograph, ASTM E1936 (EPRI)	Art. No.: 11 00340
Mask for Reference Radiograph, ASTM E1936	Art. No.: 13 42125

Mask for films	Art. No.:	Mask for films	Art. No.:
10x12 cm (8-fold)	13 42131	6x40 cm (4-fold)	13 42145
10x16 cm (4-fold)	13 42132	6x48 cm (1-fold)	13 42146
10x24 cm (4-fold)	13 42133	8x18 cm (4-fold)	13 42151
10x40 cm (2-fold)	13 42134	8x36 cm (3-fold)	13 42152
10x48 cm (1-fold)	13 42135	15x40 cm (1-fold)	13 42155
6x12 cm (8-fold)	13 42141	18x24 cm (2-fold)	13 42156
6x16 cm (6-fold)	13 42142	24x30 cm (1-fold)	13 42157
6x24 cm (6-fold)	13 42143	30x40 cm (1-fold)	13 42158
6x32 cm (4-fold)	13 42144	14x17 in (1-fold)	13 42159

