

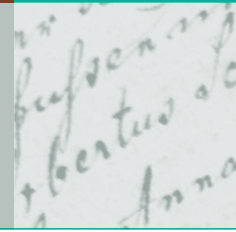
PlanScan*Hybrid*

Scanning and Microfilming System
for A1 and A0 format



High quality production systems

Made in Germany



DIGITALISATION AND MICROFILMING IN ONE DEVICE

PlanScan *Hybrid* systems combine the analogue and digital world to one forward-looking archiving solution. The protection of documents being scanned and a parallel security microfilming guarantee an effective and economic method for long-term archiving.

High quality up to DIN A0 format, low light stress and simple integration in existing IT-environments are convincing arguments for the acquisition of hybrid systems.

PlanScan *Hybrid* systems are available as color and gray scale systems for A1 and A0 format, optionally with an optical resolution of 400 dpi and 600 dpi.

HIGHLIGHTS

- Hybrid technology. Combination of analogue and digital technology for long-term archiving up to A0 format.
- Ergonomic design. Anti-glare system for use in daylight, independently of the external scanning situation.
- Protection of the documents being scanned. The motor-driven book cradle ensures maximum protection by controlling the contact pressure against the glass plate.
- Impressive scanning speed. Fast scanning speed in conjunction with simplicity of use and a data transfer function.
- Scanning accuracy. A high-precision scanning system is provided to digitalise maps for use by land and property surveyors.
- PROView scanning software. Scanning software with simple, intuitive user interface for scanning and image editing.





FEATURES

Microfilm Camera PS2002 (Rollfilm-Camera A0)

- image-field projection
- automatic exposure measuring
- electronic camera operation and operation table
- reduction according to DIN from 10,5x to 30x
- motor-driven height adjustment
in DIN-steps or variable
- autofocus
- film steps according to DIN or customised
- exposure measuring via photo cell with
needle adjustment
- camera head for 35 mm black/white
unperforated installed
- set and reset exposure counter
- illumination top light 4 x 200 W
parabolic lamps

Scanner

- scanning up to A1 or A0 format
- optical resolution of 400 dpi
(optional 600 dpi)
- scanning in color, gray scale, black and white
- high resolution
- low noise



- 2 CCD camera system (optional
3 CCD camera system)

Book Cradle

- originals up to 25 cm thickness
and 25 kg
- motor-driven book cradle with
glass plate
- adjustable book cradle speed
- adjustable book cradle pressure
- lowering automatism for the
book cradle
- foot switch for using the book
cradle and activating the scanning
and filming

PROView scanning software

- simple and intuitive user interface
for scanning and image editing
- rotating, zooming, inverting,
mirroring etc.
- print functions as bird's eye, pan,
measure and convert
- supplemented by the following
modules: edit, batch, color
editing, markup and OCR
word recognition

OPTIONS

- digital counter, 5 numbers
- digital counter, 15 numbers
- special factors, 32x, 36x, 42x
- attachment for 16mm microfilm
- color film attachment
- 105 ° book holder
- vacuum plate
- vacuum plate, pull-out system
- book-spine illumination
(for black-and-white master)
- moveable plate for oversized documents
- three step book cradle adjustment
- light-table for transparent master
- handset (as alternative to the foot-switch)

TECHNICAL DATA

Microfilm camera	
dimensions (H x W x L)	A1, Camera column 30 x: 248 cm x 218 cm x 130 cm A1, Camera column 24 x: 231 cm x 218 cm x 130 cm A1-H: 252 cm x 225 cm x 135 cm A0, Camera column 30 x: 262 cm x 270 cm x 150 cm A0-H: 262 cm x 270 cm x 150 cm
taking counter (optional)	digital
exposure measuring	manual exposure setting with indicator or automatic exposure control
field projection (optional)	high-light 50 W halogen lamp for easy positioning the master
blip (optional)	fade-in of 1-, 2- and 3-blip
color shots (optional)	easy change-over from black- and-white to colour
transillumination (optional)	special transillumination case for microfilming of transparent masters
film	unperforated for spools of 30.5 to 65.5 meters; film thickness 14/100 mm to 7/100 mm
film illumination	cold light: 4 x 21 W/860 adjustable daylight fluorescent lamps or warm light: 4 x 200 W parabolic lamps
frame pitch	DIN-step or 48 mm-step in full step or half step version and variable step with mask alignment
weight	A1: camera: +/- 190 kg; hybrid version: +/- 340 kg A0: camera: +/- 360 kg; hybrid version: +/- 440 kg
lens	Zeiss Biogon f = 40 mm
focus adjustment	automatically or variably for the entire reduction range
Scanner	
optical resolution	400 dpi (optional 600 dpi)
active scanning width / length	91.4 cm / 125 cm (> A0)
software	PROView
scanning accuracy	0.1 % plus digital rounding error of +/- 1 pixel
exposure and optics	low UV and colour-matched daylight fluorescent tube, apochromatic lenses
color and image processing	gamma, brightness, black point adjustment and contrast
functions	automatic or manual black point adjustment, automatic white balancing
page splitting	automatic
depth of color	36 bit internal / 24 bit external; 1,024 internal / 256 external
interface	TCP/IP