

scanning

archiving

capturing

copying

microfilming

ScannTECH 401i/601i

High-performance scanner AI

The multifunctional scanning system for digitalising in colour, black-and-white or grey scale.

Book scanner + flatbed scanner + flow scanner + scanning and microfilming: All is combined in one unit. As a result, the ScannTECH 401i/601i is a really multifunctional scanning system.

This versatility makes numerous applications possible, e.g. books, newspapers, magazines, old handwritten manuscripts, documents with a seal, maps, plans and drawings, bound and clamped masters.

ScannTECH 401i/601i convince through this versatile range of applications and the simple operation concept. And the extraordinary scan quality, through the optical resolution of 400 dpi (optionally 600 dpi) across the total length and width of the master and through the sharpness at farthest marginal zones of the master.

Ergonomics: System for non-glaring use at daylight, and height-adjustable.

The scanning system works at normal daylight and without any heat load. Your staff will be happy and with the absolutely non-glaring working as well. The scanner can be optionally equipped for variable adjusting of the height from 80 cm up to 110 cm (optionally even higher). Adjusting within a few seconds through pushbutton.

Careful treatment of masters during scanning process.

The motor-driven book cradle makes contact pressure with a certain dose rate against the glass plate. Another asset is the book support that must not be opened for more than 100° to avoid damaging the book spine. The low light load is careful for the masters in the highest possible way.

Convincing scanning speed.

We prefer talking about the scanning cycle which we define as follows: Straight scanning time plus easy and user-friendly change of the masters, plus data transfer. With our systems the data transfer and

operating run parallel. We are gladly prepared to inform you in detail about the scanning times and scanning cycles respectively of the ScannTECH 401i/601i. For that there is to start from individual requirements. The pure scanning time *and* the data transfer are crucial for the time of a scanning cycle. The times for the data transfer directly depend on the resolution (600, 400, 300 or 200 dpi), the data format (TIFFRAW, JPEG etc.) and the way of scanning (colour, grey scale or black-and-white).

Scanning accuracy.

Digitalising of maps for the work of land surveying and properties cadastres requires high precision of the scanning systems. Through our scanning technology - the scanner moves across the master in an equal distance - impressively precise scanning becomes possible with achieving a geometrical accuracy of 0.1 %. For that reason, the ScannTECH 401i/601i is excellently suitable for the scanning of plans and drawings from cadastres and land surveying.

Variants of scanning.

Firstly: You can scan with or without the glass plate. With the glass plate in an impressive quality across the entire width and length of the master, without the glass plate at a depth of focus in the image plane of up to 5 cm. Secondly: The system can be quickly extended for a flow scanner. The masters, e.g. plans, drawings or posters, are now drawn in and scanned. All performance characteristics of the scanning system are naturally true of the variant of flow scanning also. Thirdly: Together with the microfilm camera, the ScannTECH 401i/601i creates a specially economical solution. Microfilming and scanning simultaneously, or only scanning or only microfilming - exactly as desired by you.

Software.

A component of the scanning system is ScannTECH-sw4. That is the scanning software for the practice in its basic version which can be extended at a later time.

Technical data	ScannTECH 401i/601i
Optical resolution	400 dpi/optionally 600 dpi
Active Scanning width and length	91,4 cm/60 cm
Software	EasyScan or PROView with powerful image processing tools; optionally: calibrating and colour management, copying, word recognition
Scanning accuracy	0,1 % plus a digital rounding error +/-1 pixel
Exposure and optics	Low-UV and colour-matched daylight fluorescent tube apochromatic lenses
Colour and image processing	Gamma, brightness and contrast (for each colour channel); white point and black point
Functions	Automatic or manual black-threshold correction automatic whitebalance Autofocus
Page splitting	Automatically, with or without overlap
Depth of colour	36 bit internal / 24 bit external
Depth of focus	5 cm
Foot switch	For operating the book cradle and releasing the scanning
Lowering the book	Automatically or manually
Thickness of master	25 cm, optionally 45 cm
Output modes	24-bit-RGB-colours 8-bit-grey scale Bitone and bitone photo
Interface	TCP-IP
Data output	All standard image formats
CCD-cameras	2 cameras with 7,300 pixels each colour: ScannTECH 401i optionally 3 cameras with 7,300 pixels each colour: ScannTECH 601i
Dimensions (L x W x H)	122 cm x 95 cm x 123 cm
Surrounding conditions and current consumption	5~30° C, 15~85 % relative humidity, non-condensing 200~250 VAC (automatical recognition), 47~63 Hz, 250 VA
Minimum PC-requirements	Working memory 1,024 MB (for A1) and 2,048 MB (for A0) Gbit-Ethernet connection Up-to-date Intel/AMD-CPU Windows 2000, Windows XP

*Technische Änderungen vorbehalten.



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