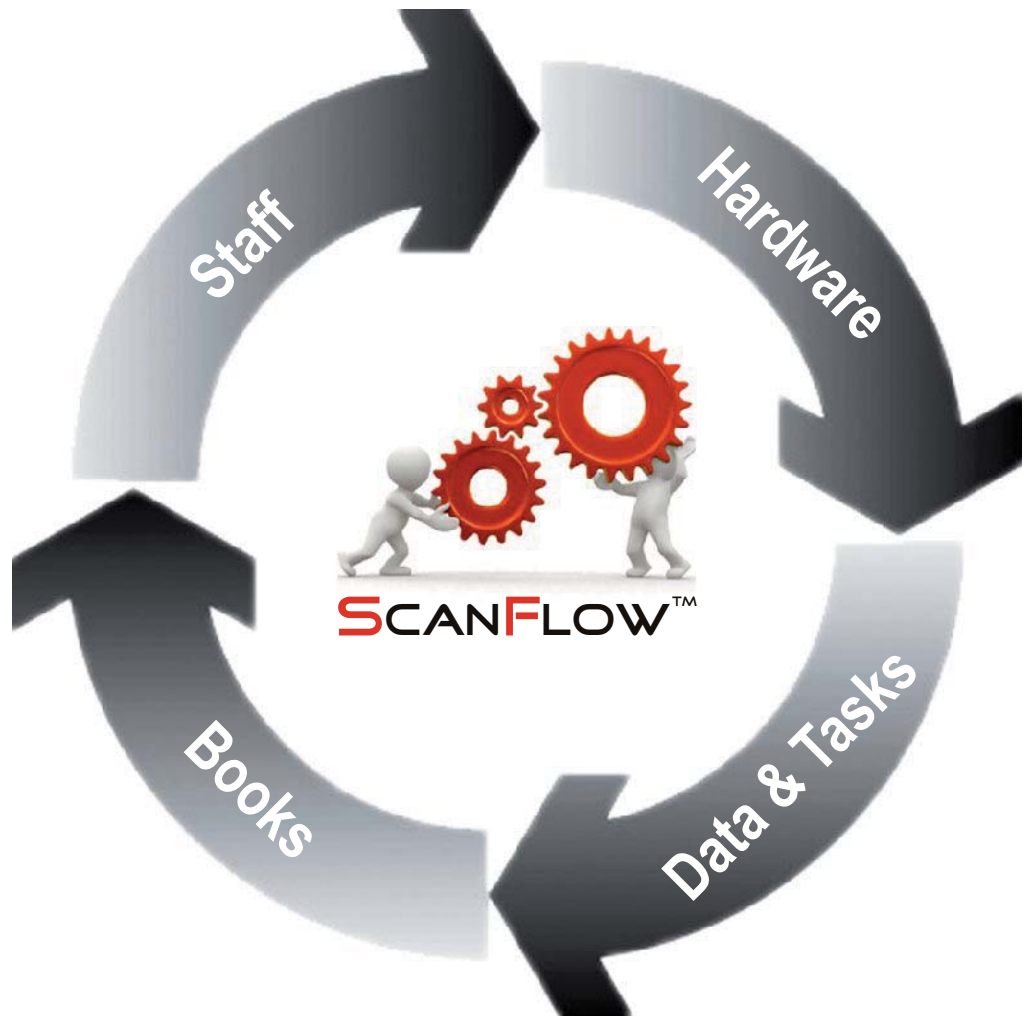


SCANFLOWTM Professional

Workflow & Management Software



Advantages

- Efficient organization of staff, scanning hardware, data and books
- Increasing throughput & output quality
- Minimization of manual tasks and errors
- Fast quality control functions

... let the software work

TREVENTUS

What is ScanFlow™ Professional?

ScanFlow™ Professional...

... is an efficient and easy to use workflow & management software. It increases the throughput and output quality of your mass digitization projects.



Manage your staff



Supervisors

Operators

What shall be done by whom?

Organize different hardware



Scanner hardware

Which hardware shall be used?

Plan the book & document logistic



Sheets

Books

Documents

Index cards

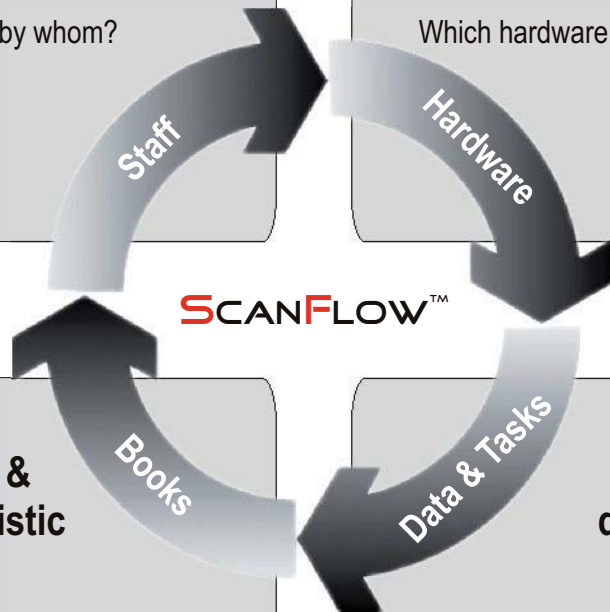
Maps

Which workflow fits to the requirement of the documents?

Automatize data flow & tasks

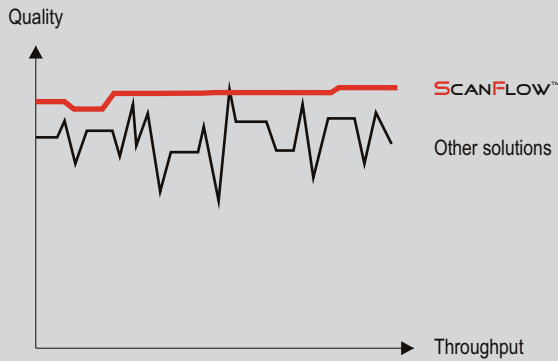
Job creation	Job data transfer	Format conversion
Scanning	Quality check	Server
Set parameter	Processing	Archiving

Which task shall be processed next?



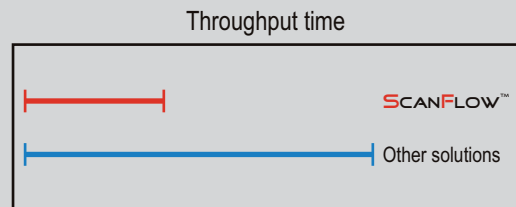
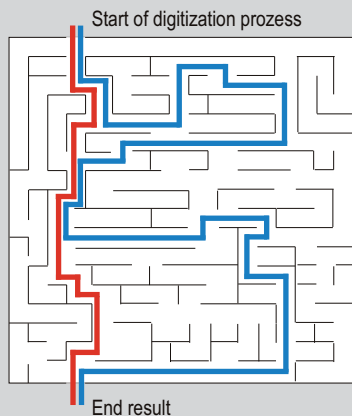
ScanFlow™ Professional - What is the BENEFIT?

Output quality



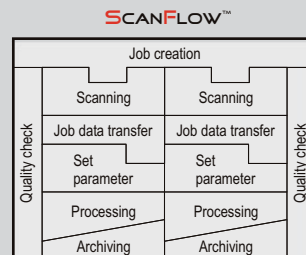
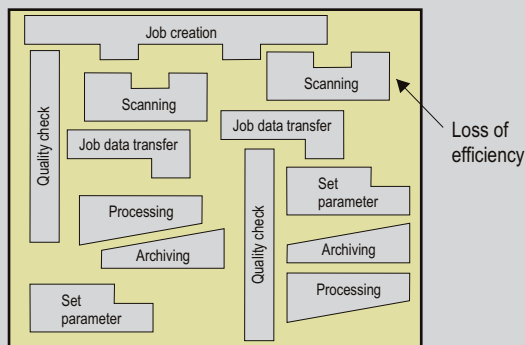
ScanFlow™ ensures a constant & high output quality

Working efficiency



ScanFlow™ increases the throughput

Structure efficiency



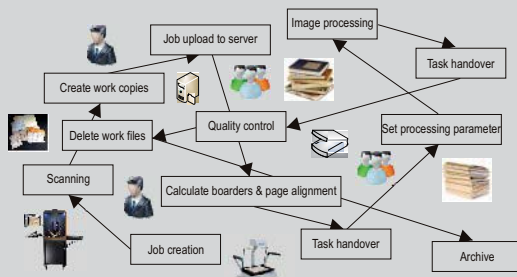
ADVANTAGES

- No loss of efficiency
- All tasks fit perfectly

ScanFlow™ leads to a clear structure

What does ScanFlow™ ?

Struggling without workflow software...



DISADVANTAGES

- ⊗ Manual documentation
- ⊗ Manual copying & working
- ⊗ Manual quality check
- ⊗ High communication overhead
- ⊗ Handling errors
- ⊗ No project overview

WHO is doing WHAT and WHEN?
... get organized ...

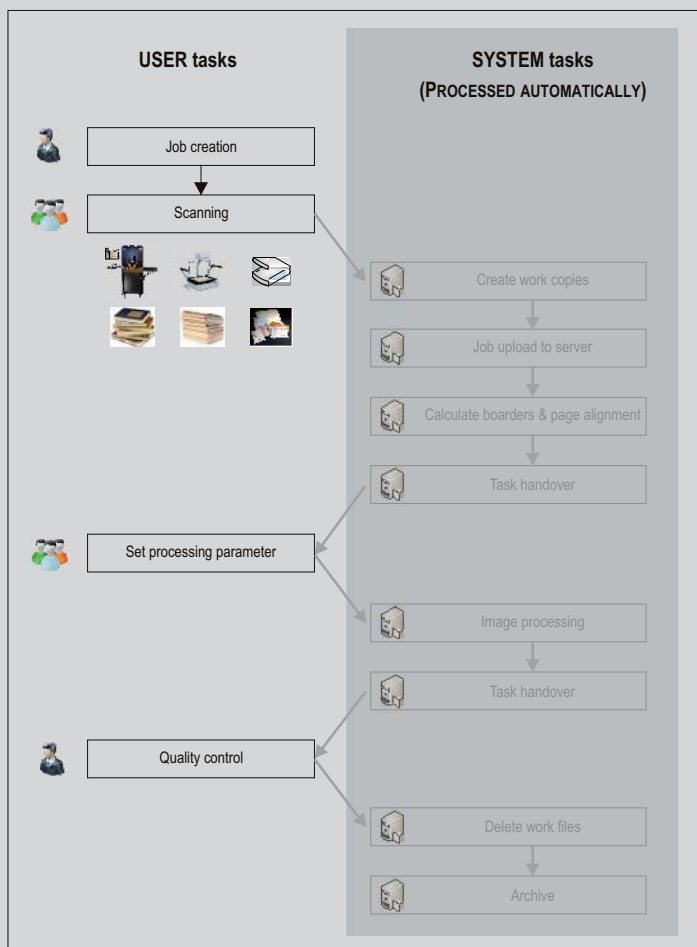


Structured working with ScanFlow™ Professional



ADVANTAGES

- ⊗ Automatic processing of system tasks
- ⊗ Automatic documentation
- ⊗ Job tracking (WHICH job is WHERE?)
- ⊗ Automatic copying
- ⊗ Quality check support

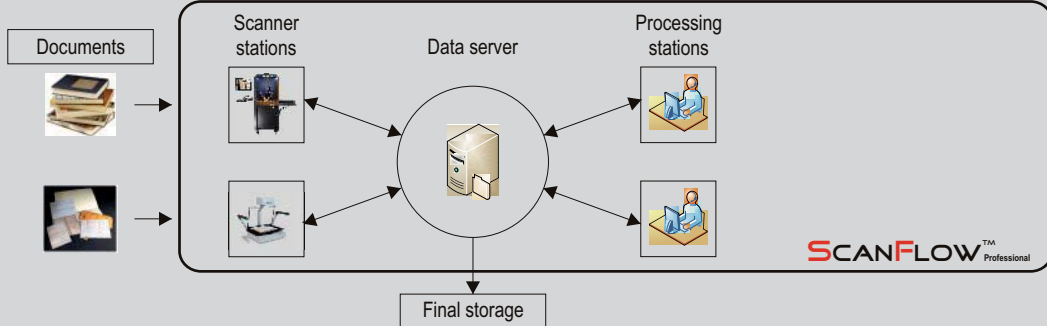


SCANFLOW™

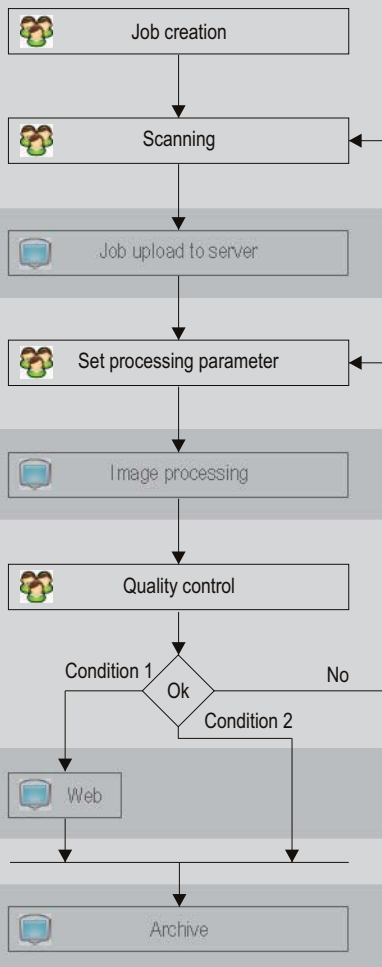
...brings order into chaos...

Workflow example

Environment / Data flow diagram



Flow chart



Executors

Supervisor

Scanner Operator

AUTOMATIC BY SCANFLOW™

Operator

AUTOMATIC BY SCANFLOW™

Supervisor

AUTOMATIC BY SCANFLOW™

AUTOMATIC BY SCANFLOW™

Tasks

Insert meta data
Inspect book
Assign scanner
Assign workflow
Assign operator

Scan book pages
Scan book cover
Scan book spine
Scan fold outs / maps

Upload job to the server

Check scan quality
Check book structure
Set cropping rectangle
Check and set page alignment
Set image pixel functions
Check setting in preview

Create image work copy
Deskew images
Crop images
Process image pixel functions

Check cropping and alignment
Check image processing
Mark incorrect pages for re-processing

Upload images to web server

Store processing parameters
Store original TIFs
Delete work copies



User task = manual tasks

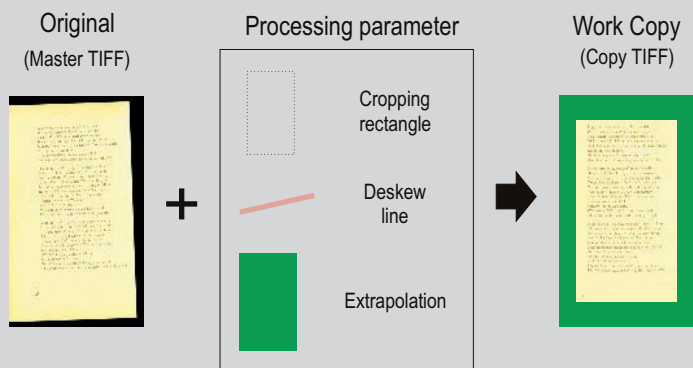


System tasks = tasks that are done automatically

... let the software work

ScanFlow™ - Global functions

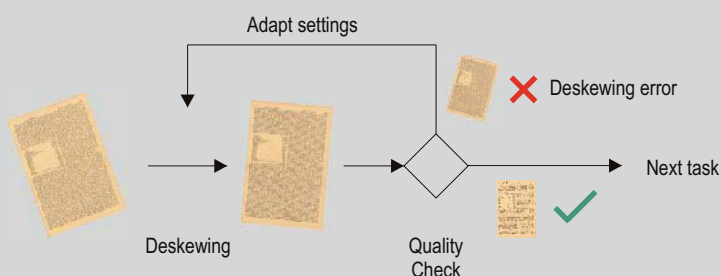
Parameter controlled processing



ADVANTAGES

- Easy setting of processing parameters
- Processing parameter can be set
 - a) globally for a whole job and
 - b) individually for single pages
- Master files remain unchanged

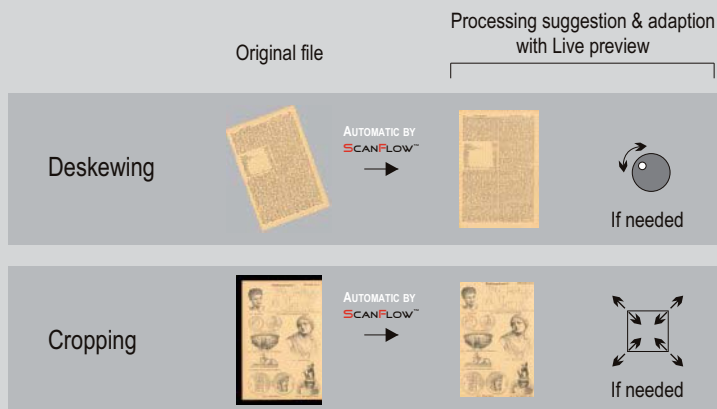
Undo function (e.g. Deskewing)



ADVANTAGES

- Go back to any previous task
- Easy correction of settings:
 - a) Correct settings stay unchanged
 - b) Wrong settings can be adapted

Processing suggestion & Live preview



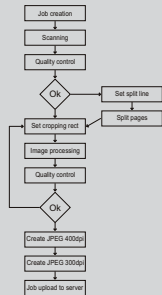
ADVANTAGES

- Automatic processing suggestions
- Displayed in Live preview
- Exact adjustment easily possible with Live preview
- Available for all processing functions (e.g. Deskewing, Cropping, Extrapolation, Brightness & Contrast adaption,...)

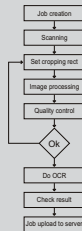
ScanFlow™ - Global functions

Multiple workflows

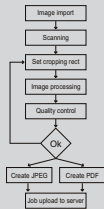
Workflow 1



Workflow 2



Workflow 3



ADVANTAGES

- Create and customize multiple workflows
- Use different workflows simultaneously
- Different projects can be processed with the same staff and hardware simultaneously
- Change workflow settings anytime when needed

Multiple outputs

Final result



TIFF, color, 400 dpi
 JPEG, greyscale, 400 dpi
 PNG, b/w, 300 dpi
 ...

Images

PDF
 OCR*
 XML*
 Epub*
 ...

Documents

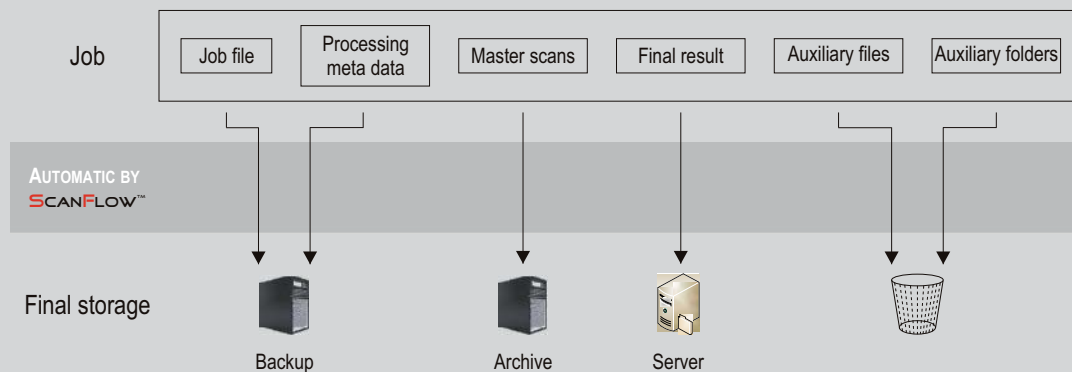
ADVANTAGES

- ScanFlow™ creates multiple file formats
- File formats can be created automatically and simultaneously

* In combination with OCR

Job finalization

All finalization tasks (e.g. Transfer to storage, delete auxiliary files) are done by ScanFlow™ automatically.



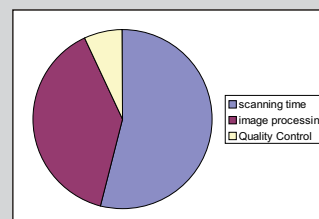
ScanFlow™ - Analysis, Reporting & Tracking

Analysis, Reporting & Tracking tools

ADVANTAGES

- Different process overviews
- Easy project progress analysis
- Fast identification of bottlenecks within scanning projects
- Track & log the status quo of each job (e.g. in which workflow stage is each job, etc.)

PROCESSING TIME



TRACK & LOG

Job name	pages	Scanning (time)		Image processing time (minutes)	job finished
		start	stop		
11	568	09:53	10:16	15	21.11.2012
12	682	10:18	10:49	18	21.11.2012
15	610	14:34	14:53	11	21.11.2012
17	872	11:37	12:02	13	21.11.2012
18	594	08:58	09:17	10	21.11.2012

ScanFlow™ - Quality control tools

Task completeness check

ScanFlow™ reports automatically if every task has been executed and generates status reports of all embedded workflow tasks.

Quality control recommendation

ScanFlow™ provides recommendations for:

- Which pages might have lower quality?
- Which pages require an additional quality control?

Quality check

ScanFlow™ supports fast quality checking:

- Pages can be easily marked
- Explanatory notes can be easily added

FAST QUALITY CHECK



* Faulty pages are marked red.

ScanFlow™ - further functions & tools

Resource organization tools

Inter-task message tool

ScanFlow™ enables users to pass notes within the software by using inter-task messages.

Remote monitoring tool

ScanFlow™ includes a monitoring tool for all processes by remote access via web interface.

Scheduling function

ScanFlow™ allows to schedule all tasks to guarantee an optimal resource management (e.g. time consuming and computationally intensive tasks can be processed over night).

Task automation functions

Automatic execution of external scripts

ScanFlow™ allows to execute external scripts automatically by using a CLI (Command Line Interface).

Automatic import functions

ScanFlow™ supports automatic import functions.

Automation of FTP-uploads

ScanFlow™ enables the automation of FTP-uploads.

ScanFlow™ - PRICE ILLUSTRATION No.1

Description - structure*

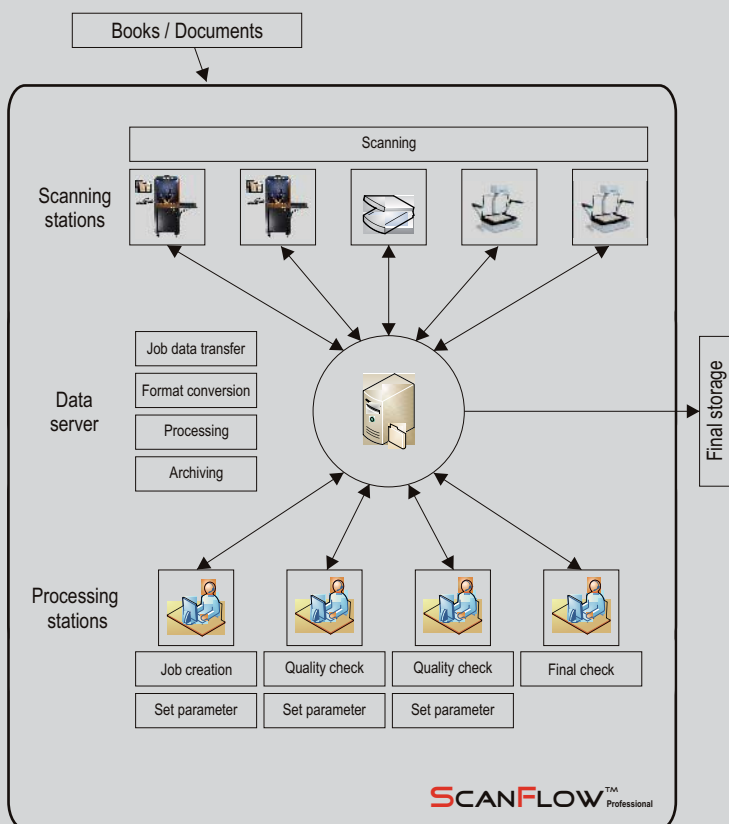
This example shows a middle sized digitization center solution. All embedded stations are operated by the ScanGate™ software. Using a single software reduces communication problems, IT-effort, training expenses and time.

Description - workflow

After scanning all image data is concentrated on one data server. Due to a very high quality requirement four processing stations are designated in this example: One for job creation and setting the job parameters; two for quality check and setting processing parameters and one for the final check of the images.

*This example shows one of many possible realizations of a digitization center operated by ScanFlow™ Professional workflow solution.

Environment / Data flow diagram



All scanners, working stations and jobs are coordinated and organized by ScanFlow™.

Price example

Working stations operated by ScanGate™:

5 x Scanning station

1 x Data server

4 x Processing station

10 x ScanGate™ € 18,616*

+ 1 x ScanFlow™ Professional € 5,190

TOTAL € 23,806

* Discount accounted (Pricing details see last page)

ScanFlow™ - PRICE ILLUSTRATION No.2

Description - structure*

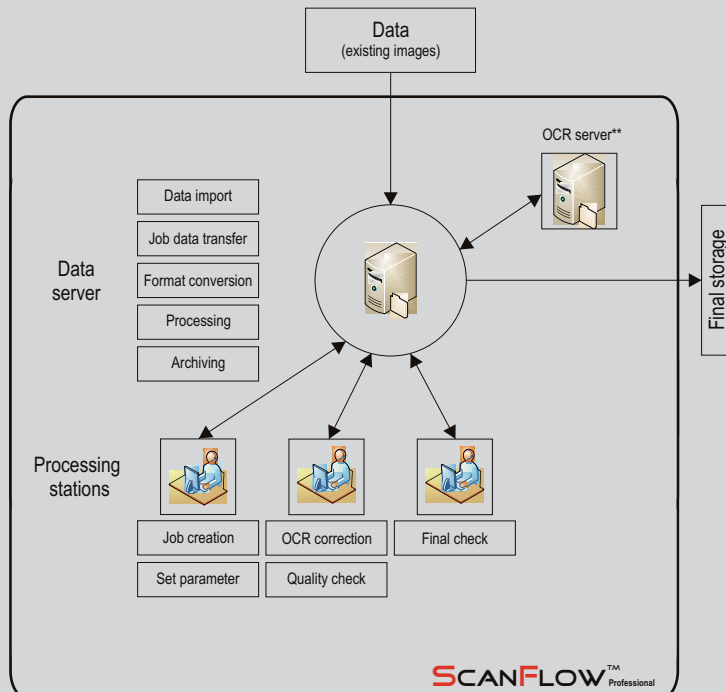
This example shows a small sized solution for the treatment of already existing image data which shall be processed with the ScanGate™ software and coordinated by the ScanFlow™ Professional workflow software. Therefore the embedded data server and all working stations are operated by the ScanGate™ software.

Description - workflow

First the existing image data is imported automatically into the jobs on the data server. After that the quality control and setting of the parameters is done. Included in this example is a third party OCR server solution. ScanFlow™ Professional coordinates the OCR and the OCR correction. The final step is the archiving of the image data in the final storage.

*This example shows one of many possible realizations of a digitization center operated by ScanFlow™ Professional workflow solution.

Environment / Data flow diagram



All working stations and jobs are coordinated and organized by ScanFlow™.

** Third party OCR software required

Price example

Working stations operated by ScanGate™:

1 x Data server

3 x Processing station

4 x ScanGate™ € 7,884*

+ 1 x ScanFlow™ Professional € 5,190

TOTAL € 13,074

* Discount accounted (Pricing details see last page)

PRODUCT FAMILY



PRICE - ScanFlow™ Professional

Working stations*	Price** incl. 1st year software support	Price** for further software support per year	Accounted discount
Unlimited	€ 5,190	€ 830	-

* Within the ScanFlow™ Professional software environment unlimited working stations (e.g. Scanner-, post processing-, quality control- or OCR-stations) can be implemented. To enable the communication and interaction between all embedded working stations a ScanGate™ software license must be installed on each working station.

Prices for additional ScanGate™ licenses are listed beneath.

**Additional ScanGate™ licenses are not included within the price.
All prices are quoted in EUR exclusive of VAT and exclusive of customs duty.

PRICE RANGE - ScanGate™

License amount	Price* incl. 1st year software support	Price* for further software support per year	Accounted discount
# 1	€ 2,190	€ 350	-
# 2	€ 4,249	€ 679	minus 3%
# 3	€ 6,176	€ 987	minus 6%
# 4	€ 7,884	€ 1,260	minus 10%
# 5	€ 9,308	€ 1,488	minus 15%
> 5	<i>Contact sales@treventus.com for your individual offer.</i>		

*All prices are quoted in EUR exclusive of VAT and exclusive of customs duty.



Awards

Winner of the European ICT Grand Prize
Innovation prize of the Theodor Key foundation
1st place in Genius Innovation Award

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www.treventus.com