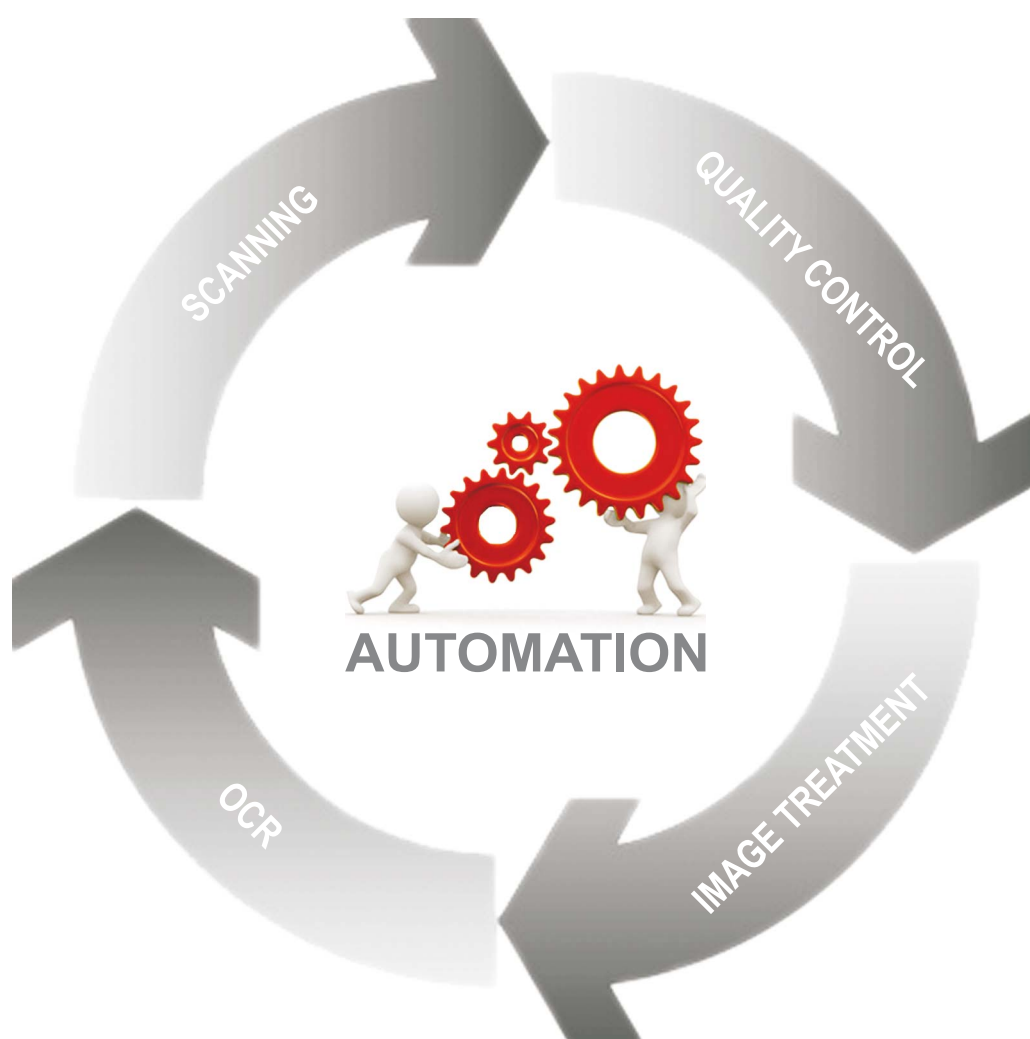


# SCANFLOW™

*stay on Track*



**THE MOST EFFICIENT SOLUTION  
FOR YOUR MASS DIGITIZATION**

# 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

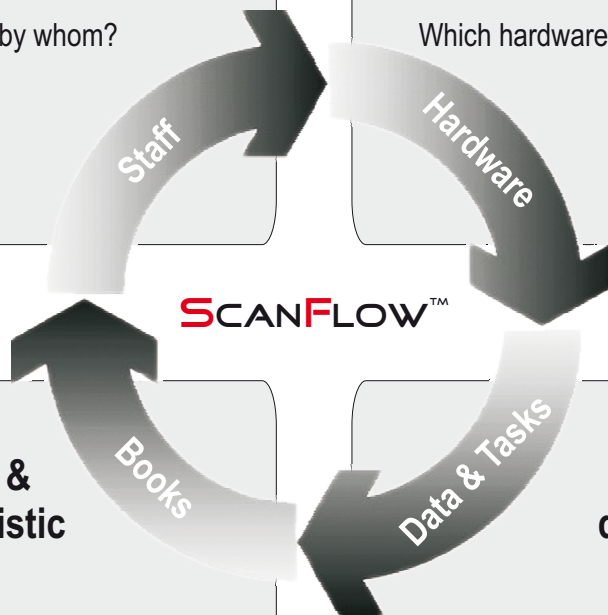
Maps

Which workflow fits to the requirement of the documents?

### Automatize data flow & tasks

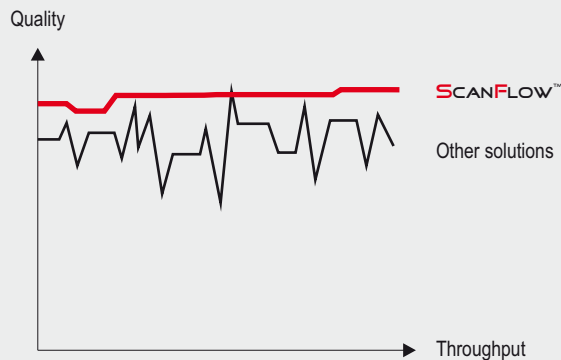
Job creation	Job data transfer	Format conversion
Scanning	Quality check	Server
Set parameter	Processing	Archiving

Which task shall be processed next?



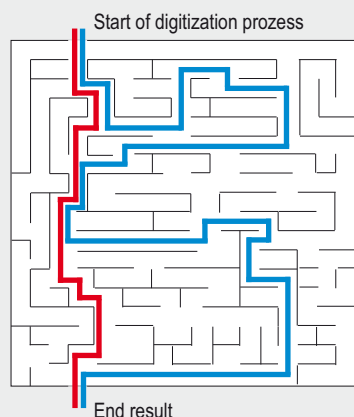
# ScanFlow™ Professional - What is the BENEFIT?

## Output quality

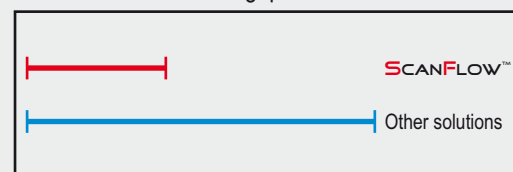


ScanFlow™ ensures a constant & high output quality

## Working efficiency

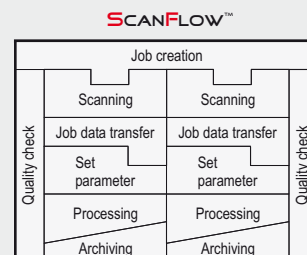
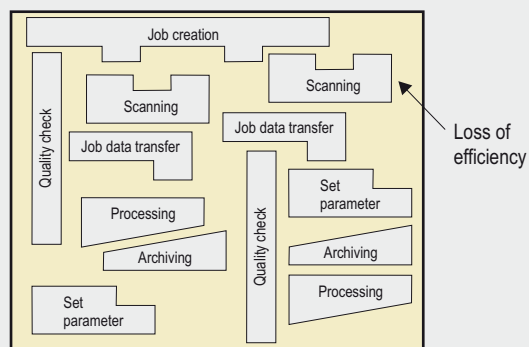


Throughput time



ScanFlow™ increases the throughput

## Structure efficiency



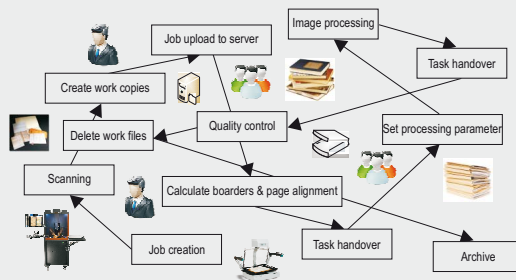
### ADVANTAGES

- 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

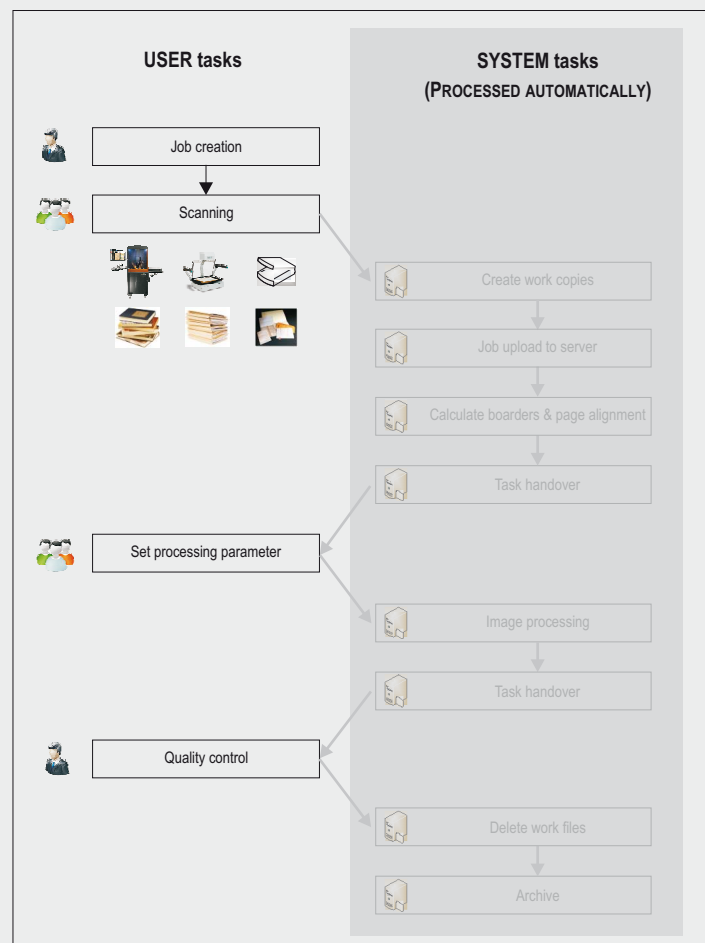


### ADVANTAGES

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

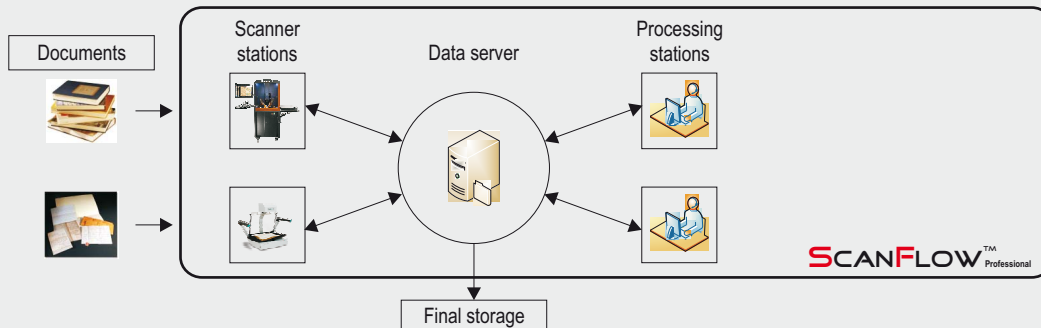
SCANFLOW™

...brings order into chaos...

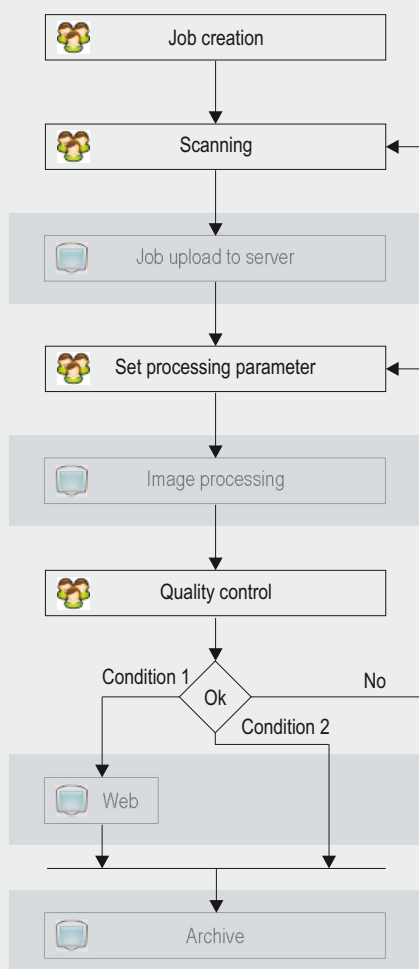


# Workflow example

## Environment / Data flow diagram



## Flow chart



## Executors

Supervisor

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 TIFFs  
Delete work copies



User task = manual tasks

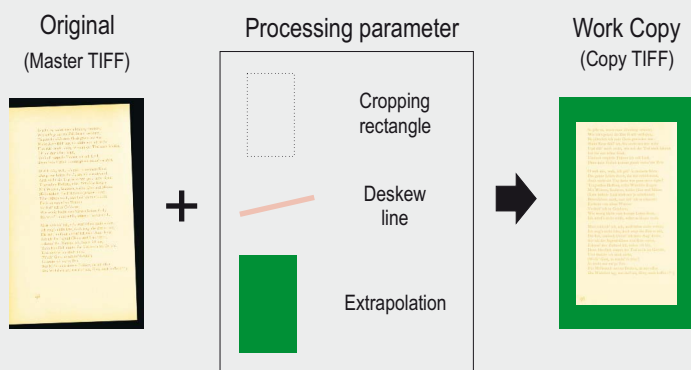


System tasks = tasks that are done automatically

... let the software work

# ScanFlow™ - Global functions

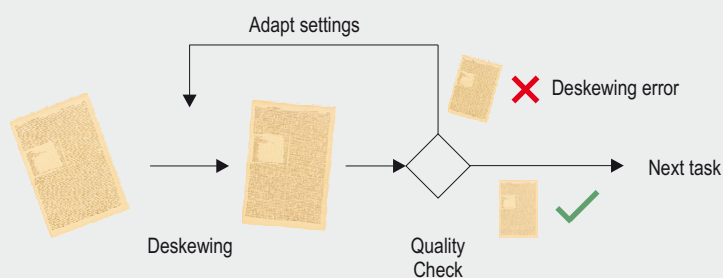
## Parameter controlled processing



### 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

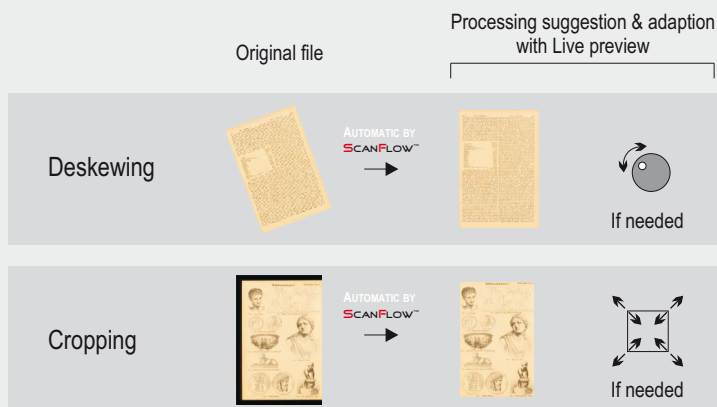
## Undo function (e.g. Deskewing)



### 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



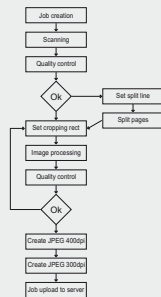
### ADVANTAGES

- 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,...)

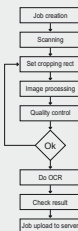
# ScanFlow™ - Global functions

## Multiple workflows

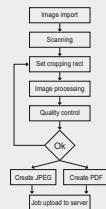
Workflow 1



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

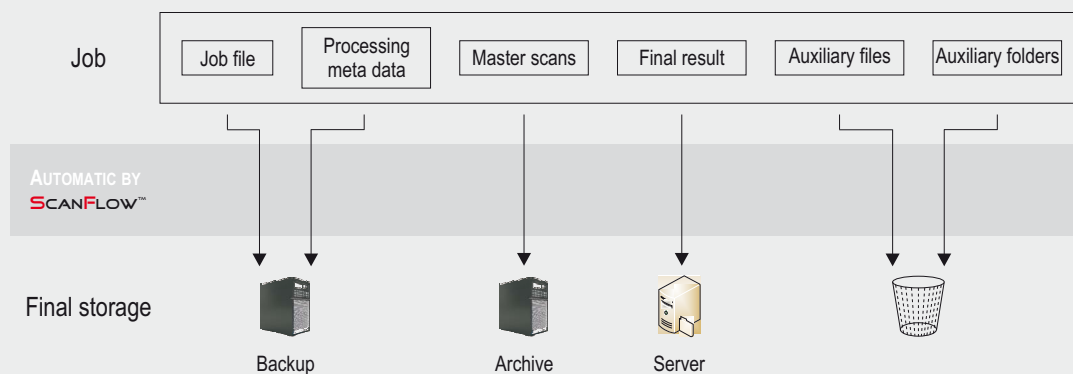
### ADVANTAGES

- 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.



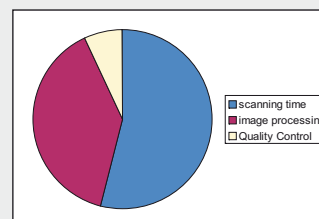
# ScanFlow™ - Analysis, Reporting & Tracking

## 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

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## 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).

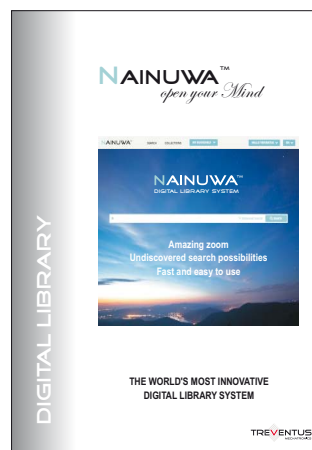
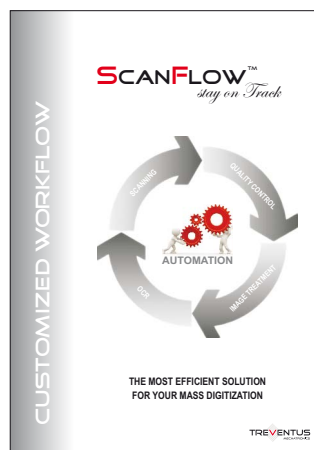
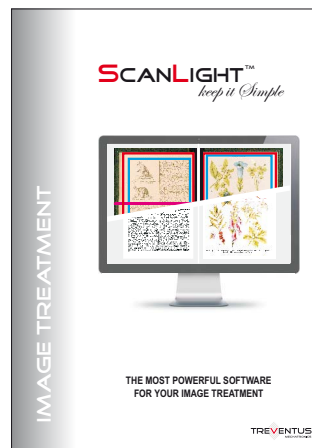
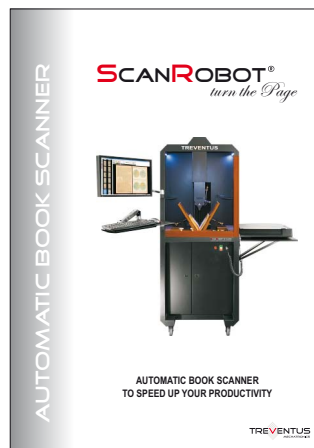
### Automatic import functions

ScanFlow™ supports automatic import functions.

### Automation of FTP-uploads

ScanFlow™ enables the automation of FTP-uploads.

# PRODUCT FAMILY



## Awards

Winner of the European ICT Grand Prize

Innovation prize of the Theodor Kery foundation

1<sup>st</sup> place in Genius Innovation Award

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[www.treventus.com](http://www.treventus.com)