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
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**

![Graph showing quality vs. throughput for ScanFlow vs. other solutions](image)

- **ScanFlow™** ensures a constant & high output quality.

**Working efficiency**

![Diagram showing workflow](image)

- **ScanFlow™** increases the throughput.

**Structure efficiency**

![Diagram showing workflow](image)

- **ScanFlow™** leads to a clear structure.

**ADVANTAGES**

- No loss of efficiency
- All tasks fit perfectly
What does ScanFlow™?

Struggling without workflow software...

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

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

ScanFlow™ ...brings order into chaos...
Workflow example

Environment / Data flow diagram

Flow chart

Executors

Tasks

- Supervisor
  - Insert meta data
  - Inspect book
  - Assign scanner
  - Assign workflow
  - Assign operator
  - Scan book pages
  - Scan book cover
  - Scan book spine
  - Scan fold cuts / maps

- Operator
  - 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

- Supervisor
  - Create image work copy
  - Deskew images
  - Crop images
  - Process image pixel functions
  - Check and set page alignment
  - Set image pixel functions
  - Check setting in preview

- Automatic by ScanFlow
  - Upload images to web server
  - More processing parameters
  - Store original TIFFs
  - Store work copies

User task = manual tasks
System tasks = tasks that are done automatically

... let the software work
ScanFlow™ - Global functions

Parameter controlled processing

Original (Master TIFF) + Processing parameter = Work Copy (Copy TIFF)

- Deskewing
- Extrapolation
- Cropping rectangle

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)

- Deskewing
- Quality Check
- Next task
- Deskewing error

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

- Deskewing
- Cropping

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
- PDF
- OCR*
- XML*
- Epub*
- ...

**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.

**ADVANTAGES**

- Automatic by ScanFlow™

**Job file**

- Processing meta data
- Master scans
- Final result
- Auxiliary files
- Auxiliary folders

**Final storage**

- Backup
- Archive
- Server
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.)

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

* 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.

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**Environment / Data flow diagram**

- **Books / Documents**
- **Scanning stations**
  - Job data transfer
  - Format conversion
  - Archiving
- **Data server**
  - Processing
  - Archiving
- **Processing stations**
  - Job creation
  - Quality check
  - Set parameter
  - Quality check
  - Final check
- **Final storage**

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

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**Price example**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working stations</td>
<td>10 x</td>
<td>€ 18,616*</td>
</tr>
<tr>
<td>Data server</td>
<td>1 x</td>
<td>€ 5,190</td>
</tr>
<tr>
<td>Scanning stations</td>
<td>5 x</td>
<td></td>
</tr>
<tr>
<td>Processing stations</td>
<td>4 x</td>
<td></td>
</tr>
</tbody>
</table>

**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

** 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™ € 5,190

TOTAL € 13,074

* Discount accounted (Pricing details see last page)
PRODUCT FAMILY

PRICE - ScanFlow™ Professional

<table>
<thead>
<tr>
<th>Working stations*</th>
<th>Price** incl. 1st year software support</th>
<th>Price** for further software support per year</th>
<th>Accounted discount</th>
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<tr>
<td>Unlimited</td>
<td>€ 5,190</td>
<td>€ 830</td>
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</table>

* 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™

<table>
<thead>
<tr>
<th>License amount</th>
<th>Price* incl. 1st year software support</th>
<th>Price* for further software support per year</th>
<th>Accounted discount</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td># 2</td>
<td>€ 4,249</td>
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</tr>
<tr>
<td># 3</td>
<td>€ 6,176</td>
<td>€ 987</td>
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<td>€ 7,884</td>
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</tr>
<tr>
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<td>€ 1,488</td>
<td>minus 15%</td>
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<td>&gt; 5</td>
<td>Contact <a href="mailto:sales@treventus.com">sales@treventus.com</a> for your individual offer.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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 Kery foundation
1st place in Genius Innovation Award