SPECIFICATIONS - RT-Batch workflows

(optionally available for ScanRobot® 2.0 MDS)

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1 General

RT Batch workflows are additional enhancements (software add-ons) for your automatic book scanner "ScanRobot® 2.0 MDS" which enable <u>automated batch processing</u> in scan-free periods (e.g. overnight, weekends, longer scanning breaks etc.). Hence those RT-batch workflows may only be started before or after scanning.

Time consuming goals like creation of another output format (e.g. for archiving[*], presentation[*] and/or reprint[*] needs) and/or moving of complete scan-jobs to e.g. another storage place will be processed fully automated and scheduled in work-free time slots (e.g. overnight). In this way, work ressources can be saved easily.

Prerequisite for the installation of the "RT-batch workflows" is the availability of an up-to-date "ScanGate® RT" license.

Each of the further described "RT-Batch workflows" can be optionally purchased for your "ScanRobot® 2.0 MDS".

* See the technical specification of each of the outputs within the brochure of the automatic book scanner "ScanRobot® 2.0 MDS".

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1.1 RTB-Workflow: "RT Archive -> RT Presentation"

This is an optional "RT-Batch workflow" for "ScanGate® RT" on your automatic book scanner "ScanRobot® 2.0 MDS".

Goal

The aim of this specific RTB-workflow is to automatically generate a "RT Presentation output" based from the originally scanned "RT Archive output".

Prerequisites for the execution of this RT-Batch workflow:

- Input: originally scanned master TIFF based on the RT-Archive output
- Output: "RT-Archive Master TIFF" and "RT-Presentation JPG"

	RT-Archive	RT-Presentation
Input	originally scanned master TIFF based on the RT-Archive output	
Layout		
Output	RT-Archive Master TIFF	RT-Presentation JPG

Workflow description *(additional customization not included)*

```
┌──────────┐
│ Scanning │
└──────────┘
      │
      ▼
┌──────────────┐     File name: BookID-xxxx.ext
│ Renumbering  │     xxxx … 4 digits index, starting with 0001
└──────────────┘     ext … file extension according to format
      │
      ▼
┌────────────────────────────────────────────────────────┐
│ Page alignment (Deskewing)                             │
│ Cropping (all scans individual, smaller than page size)│
└────────────────────────────────────────────────────────┘
      │
      ◇───────── Optional: Background Removal
      │                      │
      │                      ▼
      │              ┌────────────────────┐
      │              │ Background removal  │
      │              └────────────────────┘
      │
      ◇───────── Optional: Extrapolation
      │                      │                Ordinary pages:
      │                      ▼                   BG Removal: white
      │              ┌───────────────┐            no BG Removal: BG color
      │              │ Extrapolation │          Covers, Folded maps: white
      │              └───────────────┘
      │
      ▼
┌─────────────────┐
│ JPG Conversion  │
└─────────────────┘
      │
      ▼
┌──────────────┐
│ Final Folder │
└──────────────┘
```

```
Scangate final folder
final
   + bookID (job)
      + mst
         + tif
           + bookID-0001.tif
             bookID-0002.tif
                    :
      + work
         + jpg
           + bookID-0001.jpg
             bookID-0002.jpg
                    :
```

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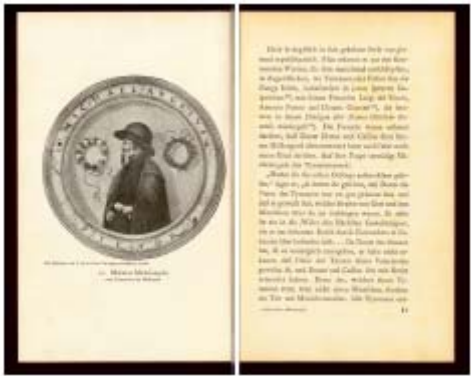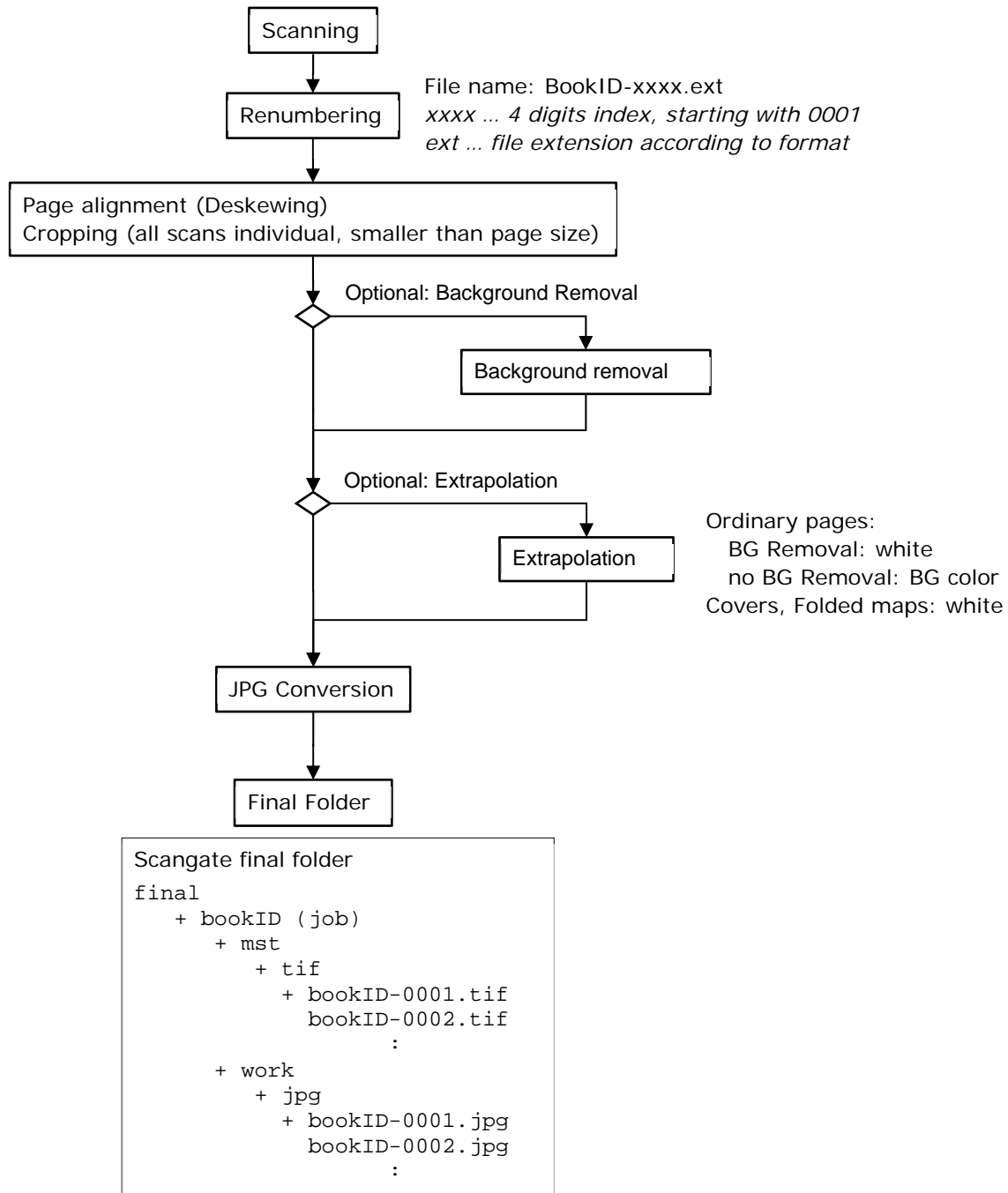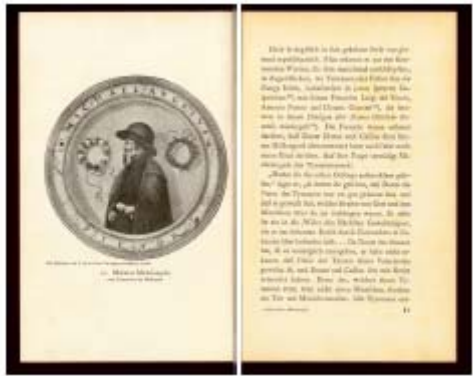## 1.2 RTB-Workflow: "RT Archive -> RT Reprint"

This is an optional "RT-Batch workflow" for "ScanGate® RT" on your automatic book scanner "ScanRobot® 2.0 MDS".

Goal

The aim of this specific RTB-workflow is to automatically generate a "RT Reprint output" based from the originally scanned "RT Archive output".

Prerequisites for the execution of this RT-Batch workflow:

- Input: originally scanned master TIFF based on the RT-Archive output
- Output: "RT-Archive Master TIFF" and "RT-Reprint TIFF (black & white)"

	RT-Archive	RT-Reprint
Input	originally scanned master TIFF based on the RT-Archive output	
Layout		
Output	RT-Archive Master TIFF	RT-Reprint TIFF (black & white)

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Workflow description *(additional customization not included)*

```
        ┌──────────┐
        │ Scanning │
        └──────────┘
              │
        ┌──────────────┐    File name: BookID-xxxx.ext
        │ Renumbering  │    xxxx … 4 digits index, starting with 0001
        └──────────────┘    ext … file extension according to format
              │
 ┌────────────────────────────────────────────────────┐
 │ Page alignment (Deskewing)                          │
 │ Cropping (all scans individual, smaller than page size) │
 └────────────────────────────────────────────────────┘
              │
        ┌──────────────────┐
        │ Background removal │
        └──────────────────┘
              │
        ┌──────────────┐
        │ Extrapolation │   BG color
        └──────────────┘
              │
        ┌──────────────────┐
        │ Resolution change │   600 DPI (software extrapolation)
        └──────────────────┘
              │
        ┌──────────────────┐
        │ Color Conversion │
        └──────────────────┘
              │
        ┌──────────────┐
        │ Final Folder │
        └──────────────┘
```

```
Scangate final folder
final
   + bookID (job)
      + mst
         + tif
            + bookID-0001.tif
              bookID-0002.tif
                   :
      + bitonal
         + tif
            + bookID-0001.tif
              bookID-0002.tif
                     :
```

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1.3 RTB-Workflow: "Automated PDF conversion"

This is an optional "RT-Batch workflow" for "ScanGate® RT" on your automatic book scanner "ScanRobot® 2.0 MDS".

Goal

The aim of this specific RTB-workflow is to automatically generate a multipage PDF based on your originally scanned output files plus an extra 2 level storage folder structure.
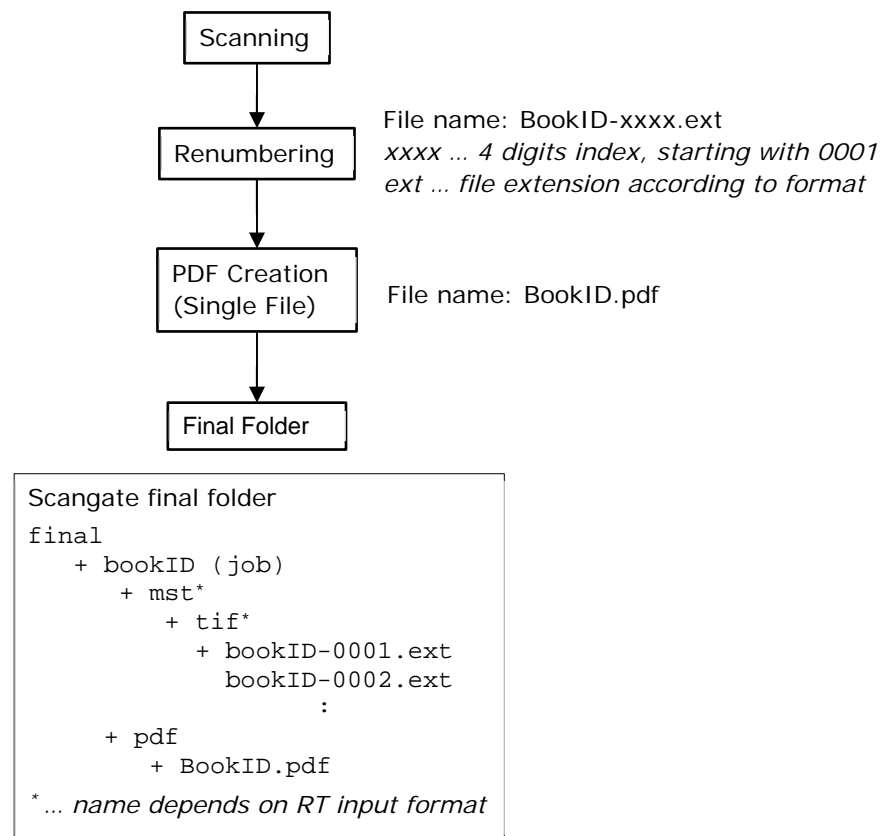
Prerequisites for the execution of this RT-Batch workflow:

- Input: originally scanned output files
- Output: originally scanned output files & multipage PDF

Workflow description (additional customization not included)

```
Scanning
   |
   v
Renumbering        File name: BookID-xxxx.ext
   |               xxxx … 4 digits index, starting with 0001
   |               ext … file extension according to format
   v
PDF Creation       File name: BookID.pdf
(Single File)
   |
   v
Final Folder
```

```
Scangate final folder
final
    + bookID (job)
        + mst*
            + tif*
               + bookID-0001.ext
                 bookID-0002.ext
                        :
        + pdf
            + BookID.pdf
*… name depends on RT input format
```

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1.4 RTB-Workflow: "Move Scan-Jobs"

This is an optional "RT-Batch workflow" for "ScanGate® RT" on your automatic book scanner "ScanRobot® 2.0 MDS".
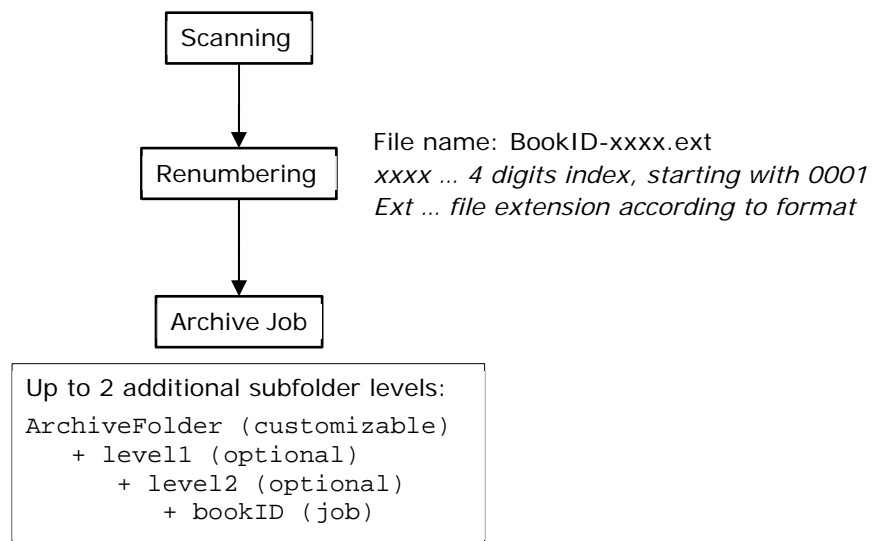
Goal

The aim of this specific RTB-workflow is to automatically move the produced scan-jobs from your ScanRobot® scanning station to e.g. a storage-place and/or a ScanGate® LWF workstation.

Prerequisites for the execution of this RT-Batch workflow:

None.

Workflow description (additional customization not included)

```
Scanning
   |
   v
Renumbering        File name: BookID-xxxx.ext
                   xxxx … 4 digits index, starting with 0001
                   Ext … file extension according to format
   |
   v
Archive Job
```

```
Up to 2 additional subfolder levels:
ArchiveFolder (customizable)
   + level1 (optional)
      + level2 (optional)
         + bookID (job)
```

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1.5 RTB-Workflow: "Export to NAINUWA®"

This is an optional "RT-Batch workflow" for "ScanGate® RT" on your automatic book scanner "ScanRobot® 2.0 MDS".

Goal

The aim of this specific RTB-workflow is to automatically upload the produced output data from your ScanRobot® scanning station to the Digital Archive – NAINUWA®. This also includes the generation of NAINUWA® ready "pyramidic" files and automized synchronization with an existing NAINUWA® system by hot folder.

Prerequisites for the execution of this RT-Batch workflow:

None.

Workflow description (additional customization not included)

```
┌─────────────┐
│  Scanning   │
└─────────────┘
       │
       ▼
┌─────────────┐        File name: BookID-xxxx.ext
│ Renumbering │        xxxx ... 4 digits index, starting with 0001
└─────────────┘        ext ... file extension according to format
       │
       ▼
┌─────────────┐
│ Nainuwa Import │
│ Format Creation │
└─────────────┘
       │
       ▼
┌──────────────────┐    ┌──────────────────────────────┐
│ Move Nainuwa Files to │  │ Nainuwa Import folder        │
│ Nainuwa Import Folder │  │ NainuwaImport (customizable) │
└──────────────────┘    │    + NainuwaID.zip            │
       │                └──────────────────────────────┘
       ▼
┌─────────────┐
│ Final Folder │
└─────────────┘

┌──────────────────────────┐
│ Scangate final folder    │
│ final                    │
│    + bookID (job)        │
└──────────────────────────┘
```

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