The new **ROWE Scan850i**
Quantum jump in wide format scanning.

6 Models: 44”/HA  55”/HA  60”/HA
Media thickness max. 30 mm
ROWE Safe Guard
ROWE Document Improvement System
SuperSpeed USB 3

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**LARGE DOCUMENT SOLUTIONS**

Large Document Solutions
7318 S. Revere Pkwy., Suite A-1 • Centennial, Co. 80112
(303) 773-9015 • (866) 338-4464 toll-free
info@largedocumentscanners.com • www.largeformatscanners.com

**ROWE ScanMatrix+**
Scanning and multifunctional solutions. Made in Germany.
LEAD THROUGH INNOVATION.

ROWE was awarded one of the highest prizes for innovative products by an independent expert jury.

The wide format scanner ROWE Scan 850i with its 6 models and future-proof technology stands for unbelievable innovation, productivity and numerous patents. Take a look at this brochure for a glimpse of the technical highlights and unique features.

We’d like to invite you to experience the fascination of ROWE. Simply make an appointment with us for a LIVE presentation at the ROWE customer center and a visit to the production.

We look forward to welcoming you!
THE NEW ROWE Scan 850i.
All highlights at a glance.

Illustrations, descriptions and software shown in this brochure contain additional equipment, which is not part of the standard scope of supply.
ROWE SCAN MATRIX⁺.

ROWE ScanMatrix⁺ consists of several digital core components. A new scan quality dimension is achieved by their interaction. Simply superior. Simply ROWE.

ROWE PRO LOGIC
... is the superior document enhancement technology from ROWE for copying and scanning with the “green button”. It ensures that imperfect originals, even those with poor contrast, are turned into perfect scans at the first attempt. This simple job with the “green button” saves valuable time and test scans. Faulty copies are things of the past.

ROWE SELECTED TRUE LIGHT
The solution for all folded documents: The Scan Sensor Technology used for the first time in the ROWE Scan 850i means the lighting of the originals is exceptionally homogenous. This is achieved by the optimal alignment of the lighting angle to the sensor. Together with the ROWE double lens technology, this produces excellent scanning results.

EXTENSIVE COLOR SPACE SUPPORT
The ROWE Scan 850i supports not only the standard sRGB color space but also user defined color spaces like Adobe RGB or Device RGB.

ROWE DYNAMIC STITCHING (RDS) (patent)
ROWE engineers have achieved a groundbreaking innovation: excellent scans, even when the document is folded or thin. The patented ROWE DYNAMIC STITCHING continuously controls the scanned document data of each sensor and sets them together in real time. Any deviations that may occur are corrected automatically. Compare the difference!

2400 x 1200 dpi
The optical resolution of 2400 x 1200 dpi (maximum resolution 9600 dpi) means the smallest details are visible. Your competitive edge.

600 dpi scan quality

2400 x 1200 dpi scan quality
A WORLDWIDE FIRST: ROWE SAFE GUARD.

Thanks to their innovative technologies ROWE SAFE GUARD, ROWE SAFE DRIVE and ROWE DOCUMENT IMPROVEMENT SYSTEM the new ROWE Scan 850i protects your originals like no other scanner before it.

During the scan.

A worldwide first: ROWE SAFE GUARD
You want to protect your valuable documents in the best way during the scan? The media transport technology, a new development by ROWE, immediately ensures that even old, torn or extremely wavy originals are transported in the best possible way and protected. Simply safe – typical ROWE.

ROWE SAFE DRIVE
Further, at the push of a button the speed can be reduced, e.g. for even greater protection of documents.

After the scan.

DOCUMENT IMPROVEMENT SYSTEM
With the new DOCUMENT IMPROVEMENT SYSTEM you optimize your scan-workflow: After scanning, can brightness, contrast or color for example be adjusted without rescanning the document? No problem, with the DOCUMENT IMPROVEMENT SYSTEM from ROWE! All changes will be immediately displayed in the viewer.
PRODUCTIVITY.
UNBEATABLE.

The heart of the new ROWE Scan 850i is company technology protected by patents. It’s the base for superior productivity. Your competitive edge.

Automatic Width Recognition “On the fly” (patent)
ROWE has eliminated the annoying forward and backward movement for recognition of the document width. “On the fly”, means that during the scan process the width of the document is detected precisely. This protects your documents and effectively saves time.

Dynamic Width Recognition (patent)
Are the corners of the document damaged or ripped? No problem, the dynamic width recognition of ROWE recognises this and determines the correct width of the document.

SuperSpeed USB 3
+ ROWE EFFICIENT SCANNING (RES)
= Exceptional productivity

Only ROWE combines RES: a high performance process of data compression without loss - with SuperSpeed USB 3. The result: data throughput increases up to 1000% compared to HighSpeed USB 2!

Of course, the ROWE Scan 850i still supports HighSpeed USB 2.

Data throughput at 600 x 600 dpi in full color, format A0
Even compared to Gigabit Ethernet, ROWE SuperSpeed USB 3 is up to 300% faster.

Immediately operational
As a result of highly efficient LED-light sources a warm-up phase isn’t necessary, the ROWE Scan 850i is immediately operational - also in color. This saves time, energy and reduces the running costs.
Automatic height adjustment up to 30 mm / 1.18”.
Scan width 60”.

EXCLUSIVITY.
SCAN THICKER. SCAN WIDER.

Automatic height adjustment up to 30 mm / 1.18”.
Scan width 60”.

The ROWE Scan 850i scans even the thickest originals - up to 30 mm (1.18”) - a user wish which was often expressed. The electrically driven ROWE HEIGHT ADJUSTMENT works automatically at the simple push of a key: sensors determine the exact thickness of the original, the top part of the scanner positions itself automatically at the correct height and the ROWE SAFE DRIVE guarantess the safe transport of the original.

Scan width 60”
Do you require a scan width of 60” (1524 mm)? We have the solution! Completely in tune with ROWE-typical modularity, all ROWE Scan 850i’s with 55” scan width can be upgraded at your site to 60”.

Automatic height adjustment up to 30 mm / 1.18”
The ROWE Scan 850i scans even the thickest originals - up to 30 mm (1.18”) - a user wish which was often expressed. The electrically driven ROWE HEIGHT ADJUSTMENT works automatically at the simple push of a key: sensors determine the exact thickness of the original, the top part of the scanner positions itself automatically at the correct height and the ROWE SAFE DRIVE guarantess the safe transport of the original.
ERGONOMICS. PERFECT IN EVERY DETAIL.

ROWE sets the benchmark in ergonomics. Once again.

Active output
Driven transport rollers at the rear guarantee safe output of the document. No jam in the scanner.

ROWE automates your workflow
6 Hot Keys on the control panel of the ROWE Scan 850i automate your workflow. A variety of functions can be bundled - to meet requirements - and called up at the press of a button.

Visionary ROWE: There are no limits in the allocation of the Hot Keys. Not only individual but all functions of the ROWE ScanManager can be allocated.

Simple replacement of the scan glass
Removal of the scan glass is carried out without tools - simply, quickly and absolutely ergonomically! It’s done like this: open the top part of the scanner, press the scan glass down with your thumb and remove it - finished.
THE PROFESSIONAL COMPACT SOLUTION.
THE NEW ROWE SCAN 850i MFP 44˝.

Extend your printer to a MFP solution without compromise. The new ROWE Scan 850i MFP is compatible with all popular large format printers.

The optimal investment
The ROWE Scan 850i has been developed for several printer generations with the interface SuperSpeed USB 3 as standard as well as being manufactured in especially high quality materials.

1. In the smallest space
Scanning, printing and copying

2. 44˝ scan width

3. ROWE ScanManager
Intuitive and modular

4. Ergonomics Made by ROWE
The ROWE Scan 850i also provides an optimal work surface for keyboard and mouse.

5. Optical resolution scanner
2400 x 1200 dpi

6. Scanning without length limitation, also with PDF
The new ROWE Scan 850i makes it possible for you to generate numerous file formats and to save them in your Cloud.

**ROWE ScanCloud**
The new ROWE Scan 850i is compatible with all the common Cloud providers as standard e.g. OneDrive™, Dropbox™, Apple iCloud™, Amazon Cloud™, Google Drive™, Magenta Cloud™ etc.

**Various file formats**
The ROWE Scan 850i generates all the usual file formats e.g. PDF, PDF/A, Multipage-PDF, TIFF and Multipage-TIFF.
The new ROWE Scan 850i

ROWE SCAN MANAGER.

Simply select the best solution from the 5 versions of the ROWE ScanManager. This creates the perfect connection between scanner, application, digital storage and your wide format printer.

ROWE ScanManager TWAIN
TWAIN + EDIT
Scope of supply includes scanning in all applications with TWAIN support, basic kit image processing, 2 viewers (overview and main viewer), ICC color management and much more.

ROWE ScanManager LT
TWAIN + EDIT + SCAN
Scope of supply includes ROWE ScanManager TWAIN and in addition Scan-to-Net, Scan-to-USB, Scan-to-E-Mail, Scan-to-Cloud and much more.

ROWE ScanManager SE
TWAIN + EDIT + SCAN + COPY
Scope of supply includes ROWE ScanManager TWAIN, LT and in addition Scan-to-Copy, Multitasking, Recopy, Closed-Loop color calibration, a printer driver for both inkjet printer and ROWE printer and much more.

ROWE ScanManager TOUCH
TWAIN + EDIT + SCAN + COPY
Scope of supply includes ROWE ScanManager TWAIN, LT with main viewer, operator surface optimal for touchscreen-operation and in addition Scan-to-Copy, Multitasking, Recopy, Closed-Loop color calibration, a printer driver for both inkjet printer and ROWE printer and much more.

ROWE ScanManager PRO
TWAIN + EDIT (Extended) + SCAN + COPY + COSTCONTROL + PRINTMASTER PRO
Scope of supply includes ROWE ScanManager TWAIN, LT, SE and in addition extended image processing, cost management, PrintMaster PRO and much more.

ROWE CostControl Professional
(ROWE ScanManager PRO erforderlich)
Scope of supply includes ROWE CostControl and in addition comprehensive user and cost management, no operation without cost allocation, limitation of resources and much more.

Simply practical: with the 2 viewers you have the whole scan in view as well as the section selected. If required the section selected can also be printed and stored.
Minimal operating costs and exceptional durability are especially important to us. Our products “Made in Germany” are subject to strict environmental regulations.

**Secure investment. Environment.**

Over 60 years of experience
Perfection requires specialization - that’s the ROWE creed. ROWE has focused on wide format for more than 60 years. As user of our products you are profiting from over 60 years of daily research and continuous development of our technologies. We can offer you mature solutions which can be smoothly integrated into your infrastructure thus creating a perfect workflow.

ROWE is the specialist for wide format from Germany, represented in 90 countries. Perfectly coordinated systems for scanning, printing and finishing as well as comprehensive software solutions for professional document workflow are developed and manufactured by ROWE. ROWE has the leading edge worldwide as the specialist and technological leader.

Secure investment
Especially high quality materials and exceptional workmanship guarantee exceptional durability.

Lowest scan glass wear - maximum protection for the documents
With the new ROWE SAFE DRIVE the ROWE Scan 850i achieves up to 500% longer life-cycle of the scan glass compared to standard scanners.

Environment
Whisper-quiet means a pleasant working atmosphere.

Energy Star
The ROWE Scan 850i exceeds the requirements of the Energy Star.

Made in Germany
ROWE produces 100% in Germany. The production is strictly monitored and is carried out according to highest quality criteria.
## ACCESSORIES. ROWE SCAN 850i.

<table>
<thead>
<tr>
<th>ARTICLE</th>
<th>DESCRIPTION</th>
<th>AVAILABLE FOR THE FOLLOWING SCANNER TYPES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROWE Scan Series Floorstand</td>
<td>Floorstand 44” / 55” / 60”: Height of the original feed table: 960 mm (37.8”)</td>
<td>44” / 55” / 60”</td>
</tr>
<tr>
<td>ROWE Scan Series PC-Holder for Floorstand</td>
<td>PC-Holder for floorstand 44”, 55”, 60” for use with standard commercial PC casing</td>
<td>44” / 55” / 60”</td>
</tr>
<tr>
<td>ROWE Scan Series Touchscreen Holder for Floorstand</td>
<td>Support arm for touchscreen and other flatscreens for floorstand 44”, 55”, 60” with a screen size of 17” up to 23” (max. 10 kg/22 lbs) with VESA MISD75/100 holder.</td>
<td>44” / 55” / 60”</td>
</tr>
<tr>
<td>ROWE Scan Series Document Return Guides</td>
<td>2 Return guides for easy document handling. Return guides are detachable.</td>
<td>44” / 55” / 60”</td>
</tr>
<tr>
<td>ROWE Scan Series MFP-Stand</td>
<td>For integration of the ROWE Scan 850i with an inkjet printer (current list of printers supported available on request). Height of the original feed table: 1200 mm - 1320 mm (47.2” - 52”). Including support arm for flatscreen 17” up to 23” (max. 10 kg/22 lbs) with VESA MISD75/100 holder.</td>
<td>44”</td>
</tr>
<tr>
<td>ROWE Scan Series PC-Holder for MFP-Stand</td>
<td>PC-Holder for MFP-Stand for use with standard commercial PC casing</td>
<td>44”</td>
</tr>
<tr>
<td>ROWE Scan Series Touchscreen</td>
<td>17” - 23” touchscreen with a resolution of minimum 1280 x 1024 Pixel</td>
<td>44” / 55” / 60”</td>
</tr>
<tr>
<td>ROWE Scan Series Controller PC</td>
<td>Standard PC, minimum configuration on request</td>
<td>44” / 55” / 60”</td>
</tr>
<tr>
<td>ROWE Scan Series All-In-One PC</td>
<td>17” - 23” Standard All-in-One PC and minimum resolution of minimum 1600 x 900 Pixel minimum configuration on request</td>
<td>44” / 55” / 60”</td>
</tr>
<tr>
<td>ROWE Scan Series Calibration Chart</td>
<td>Calibration chart 44”</td>
<td>44”</td>
</tr>
<tr>
<td>ROWE Scan Series Calibration Chart</td>
<td>Calibration chart 55” / 60”</td>
<td>55” / 60”</td>
</tr>
</tbody>
</table>

**KEY:** ✓ Standard equipment  ○ Additional equipment  ○/+ Additional equipment, on-site upgrade possible  - Not available  *ROWE HEIGHT ADJUSTMENT (automatically height adjustment)
## TECHNICAL DATA. ROWE SCAN 850i.

### FEATURES

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ROWE Scan 850i - 40</th>
<th>ROWE Scan 850i - 60</th>
<th>ROWE Scan 850i - 80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scan width / Original thickness / Scan length</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum scan width</td>
<td>44´´ (1118 mm) / maximum original width 47,4´´ (1204 mm)</td>
<td>55´´ (1397 mm) / maximum original width 63,2´´ (1606 mm)</td>
<td>60´´ (1524 mm) / maximum original width 63,2´´ (1606 mm)</td>
</tr>
<tr>
<td>Maximum original thickness</td>
<td>Up to 2mm (0,08´´) with flexible materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scan length</td>
<td>Not limited by the scanner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum original thickness HA</td>
<td>Maximum media thickness up to 30 mm (1.18´´). The electrically driven ROWE HEIGHT ADJUSTMENT works fully automatically at the simple push of a key.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Scan quality

<table>
<thead>
<tr>
<th>Field</th>
<th>ROWE Scan 850i - 40</th>
<th>ROWE Scan 850i - 60</th>
<th>ROWE Scan 850i - 80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optical resolution</td>
<td>2400 x 1200 dpi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum resolution</td>
<td>9600 dpi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scan accuracy</td>
<td>0,1% +/- 1 Pixel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color depth</td>
<td>48-bit color 16-bit grayscale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color space</td>
<td>Not only the standard sRGB color space but also user defined color spaces like Adobe RGB or Device RGB are supported</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Additional equipment

<table>
<thead>
<tr>
<th>Field</th>
<th>ROWE Scan 850i - 40</th>
<th>ROWE Scan 850i - 60</th>
<th>ROWE Scan 850i - 80</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROWE SELECTED TRUE LIGHT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROWE DOUBLE ROW LENSE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROWE DYNAMIC STITCHING - RDS (patent)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROWE PRO LOGIC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Ergonomics / Safety

<table>
<thead>
<tr>
<th>Field</th>
<th>ROWE Scan 850i - 40</th>
<th>ROWE Scan 850i - 60</th>
<th>ROWE Scan 850i - 80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic workflow (6 freely programmable Hot Keys on the control panel of the scanners)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simple replacement of scan glass</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROWE SAFE GUARD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROWE SAFE DRIVE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scanning face-up</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active output</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Productivity / Interface

<table>
<thead>
<tr>
<th>Field</th>
<th>ROWE Scan 850i - 40</th>
<th>ROWE Scan 850i - 60</th>
<th>ROWE Scan 850i - 80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color (24-bit RGB) and 8-bit indexed Color at 200 dpi (Turbo)*</td>
<td>Meter per minute / Inches per second</td>
<td>12 / 7,87</td>
<td>17 / 11,15</td>
</tr>
<tr>
<td>Black and white (1-bit) and greyscale (8-bit) at 200 dpi (Turbo)*</td>
<td>Meter per minute / Inches per second</td>
<td>23 / 15,09</td>
<td>23 / 15,09</td>
</tr>
<tr>
<td>DOCUMENT IMPROVEMENT SYSTEM - DIS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### KEY:
- ✓ Standard equipment
- o Additional equipment
- o/+ Additional equipment, on-site upgrade possible
- - Not available
- * The scan speed is dependent on the original width and the PC configuration
### ROWE Scan 850i Features

<table>
<thead>
<tr>
<th><strong>Features</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applications</strong> (ROWE ScanManager LT or higher required)</td>
<td>The ROWE ScanManager creates industry standard raster file formats that can be used in any CAD or GIS application, e.g. Adobe Photoshop™, CorelDraw™, AutoCAD™, SolidWorks™, Microstation™, ArcGIS™.</td>
</tr>
<tr>
<td><strong>File formats</strong> (ROWE ScanManager LT or higher required)</td>
<td>TIFF (UNCOMPRESSED, JPEG, G3, G4, PACKBITS, LZW), MULTIPAGE-TIFF, JPEG, PDF, PDF/A, MULTIPAGE-PDF, MULTIPAGE-PDF/A, BMP, JPEG 2000, CALS, PNG, DWF.</td>
</tr>
<tr>
<td><strong>ROWE ScanManager TWAIN</strong></td>
<td>Twain + Edit (Scope of supply includes scanning in all applications with TWAIN support, basic kit image processing, 2 viewers with overview and main viewer, ICC color management and much more).</td>
</tr>
<tr>
<td><strong>ROWE ScanManager LT</strong></td>
<td>Twain + Edit + Scan (Scope of supply includes ROWE ScanManager TWAIN and in addition Scan-to-Net, Scan-to-USB, Scan-to-E-Mail, Scan-to-Cloud and much more).</td>
</tr>
<tr>
<td><strong>ROWE ScanManager SE</strong></td>
<td>Twain + Edit + Scan + Copy (Scope of supply includes ROWE ScanManager TWAIN, LT and in addition Scan-to-Copy, Multiprint, Multitasking, Recopy, Closed-Loop color calibration, a printer driver for both Inkjet printer and ROWE printer and much more).</td>
</tr>
<tr>
<td><strong>ROWE ScanManager TOUCH</strong></td>
<td>Twain + Edit + Scan + Copy (Scope of supply includes ROWE ScanManager TWAIN, LT with main viewer, operator surface optimal for touchscreen-operation and in addition Scan-to-Copy, Multiprint, Multitasking, Recopy, Closed-Loop color calibration, a printer driver for both Inkjet printer and ROWE printer and much more).</td>
</tr>
<tr>
<td><strong>ROWE ScanManager PRO</strong></td>
<td>Twain + Edit (Extended), + Scan + Copy + CostControl + PrintMaster PRO (Scope of supply includes ROWE ScanManager TWAIN, LT, SE and in addition extended image processing, cost management, PrintMaster PRO and much more).</td>
</tr>
<tr>
<td><strong>ROWE CostControl Professional</strong></td>
<td>Extended cost management, ROWE ScanManager PRO required.</td>
</tr>
<tr>
<td><strong>Cloud enabled</strong></td>
<td>Compatible with all the standard Cloud providers e.g. OneDrive™, Dropbox™, Apple iCloud™, Amazon Cloud Drive™, Google Drive™ etc.</td>
</tr>
</tbody>
</table>

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**The new ROWE Scan 850i**

**The number of scanned documents per hour was archived with ROWE Scan 850i 44” and the following PC configuration: ROWE ScanManager LT, PC with Intel Quad-Core Processor, 8 GB RAM, SATA Solid State Disk, SuperSpeed USB 3.0 + RES, Windows 8, 64-bit, in high performance batch scan mode, including document feed-in and output. Only complete scans are counted.***

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**The required PC minimum configuration is available on request.***

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**Made in Germany.**

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**With each ROWE Scan 850i, you will receive a free 30-days trial version of the ROWE ScanManagers LT, SE, TOUCH and PRO.**
WIDE FORMAT: **ROWE**

ROWE is the specialist for wide format from Germany, represented in 90 countries. Perfectly coordinated systems for scanning, printing and finishing as well as comprehensive software solutions for professional document workflow are developed and manufactured by ROWE. ROWE has the leading edge worldwide as the specialist and technological leader.

www.rowe.one

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