

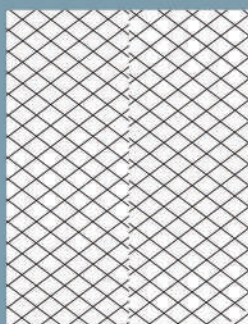
# The first-ever **ROWE Scan 450i/650i** The Future of Scanning.

- SuperSpeed USB 3.0 + RES
- 2400 x 12000 dpi optical
- Scan width 44" 55" 60"
- Media thickness max. 30 mm
- Windows 8.1 ready
- Technology protected by patents
- Cloud enabled

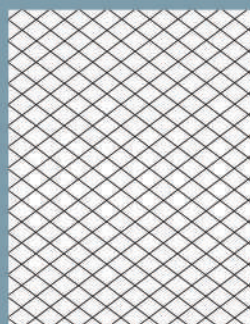


## **ROWE ScanMatrix+** UNIQUE, PATENTED TECHNOLOGY FOR THE BEST SCAN QUALITY.

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



Standard scanner



ROWE Scan 450i

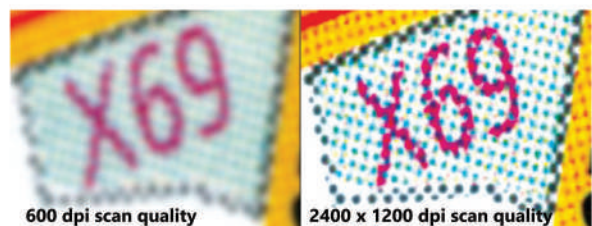
### ■ ROWE DYNAMIC STITCHING (RDS) (patent)

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!



### ■ ROWE SELECTED TRUE LIGHT

The Scan Sensor Technology used for the first time in the ROWE Scan 450i 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.




### ■ 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.

# TECHNICAL DATA. ROWE Scan 450i

FEATURES	DESCRIPTION	ROWE	ROWE
		Scan 450i - 40	Scan 450i - 60
<b>Scan width / Original thickness / Scan length</b>			
Maximum scan width	44" (1130 mm) / maximum original width 47.4" (1204 mm)	✓	✓
Maximum original thickness	Up to 2 mm (0.08") with flexible materials	✓	✓
Scan length	Not limited by the scanner	✓	✓
<b>Scan quality</b>			
Optical resolution	2400 x 1200 dpi	✓	✓
Maximum resolution	9600 x 9600 dpi	✓	✓
Scan accuracy	0.1% +/- 1 Pixel	✓	✓
Color depth	48-bit color 16-bit greyscale	✓	✓
Color space	Not only the standard sRGB color space but also user defined color spaces like Adobe RGB or Device RGB are supported	✓	✓
ROWE SELECTED TRUE LIGHT	Lighting of originals is exceptionally homogenous. Optimal alignment of the lighting angle to the reading unit.	✓	✓
ROWE DOUBLE ROW LENSE	Significantly higher light throughput.	✓	✓
ROWE DYNAMIC STITCHING - RDS (patent)	Controls continuously the scanned document data of each sensor and sets them together in real time. Any deviations that may occur are corrected automatically.	✓	✓
ROWE PRO LOGIC	Scan once for optimal results. Automatic process for the filtering of dirt/background and the highlighting of image information, ideal for originals with poor contrast.	✓	✓
<b>Productivity / Interface</b>			
Color (24-bit RGB) and 8-bit indexed Color at 400 dpi (Turbo)*	Meters per minute / Inches per second	2.75 / 1.8	5.5 / 3.6
Black and white (1-bit) and greyscale (8-bit) at 400 dpi (Turbo)*	Meters per minute / Inches per second	17 / 11.15	17 / 11.15
ROWE EFFICIENT SCANNING - RES (patent)	High performance real time width recognition and data transfer process	✓	✓
SuperSpeed USB 3.0 + RES	Data throughput up to 1000% higher compared to HighSpeed USB 2.0	✓	✓
DIN A0/E-size, color (24-bit RGB), incl. automatic width recognition, SuperSpeed USB 3.0 with RES technology	Documents per hour,** at 300 x 300 dpi	113	215
DIN A0/E-size, black/white (1-bit) and greyscale (8-bit), incl. automatic width recognition, SuperSpeed USB 3.0 with RES technology	Documents per hour,** at 300 x 300 dpi Documents per hour,** at 600 x 600 dpi	427 189	427 189
Power connection	100 - 240 V 50/60 Hz	✓	✓
Power consumption	Operating / energy saving mode with programmable timer, exceeds the requirements of the Energy Star	< 19 W / < 0.4 W	< 19 W / < 0.4 W
Weight in kg/lbs	Scan width 24" Scan width 36" Scan width 44"	13.0/28 16.0/35 18.5/40	13.0/28 16.0/35 18.5/40
Dimension	Scan width 24" depth x width x height	332 x 896 x 126 mm / 13.1" x 35.3" x 5"	332 x 896 x 126 mm / 13.1" x 35.3" x 5"
	Scan width 36" depth x width x height	332 x 1201 x 126 mm / 13.1" x 47.3" x 5"	332 x 1201 x 126 mm / 13.1" x 47.3" x 5"
	Scan width 44" depth x width x height	332 x 1404 x 126 mm / 13.1" x 55.3" x 5"	332 x 1404 x 126 mm / 13.1" x 55.3" x 5"
Quality seals / certificates	RoHS, ENERGY STAR, CE, CCC, UL, cUL, CB, FCC Part 15 Class B, EAC, BSMI, BIS	✓	✓

# TECHNICAL DATA. ROWE Scan 650i

Features	Description	ROWE	ROWE	ROWE	ROWE
		SCAN 650i - 20	SCAN 650i - 40	SCAN 650i - 60	SCAN 650i - 80
<b>Scan width / Original thickness / Scan length</b>					
Maximum scan width	44" (1118 mm) / maximum original width 47.4" (1204 mm)	✓	✓	✓	✓
	50" (1397 mm) / maximum original width 63.2" (1606 mm)	○	○	○	○
	55" (1524 mm) / maximum original width 63.2" (1606 mm)	○ / + from 55" to 60"	○ / + from 55" to 60"	○ / + from 55" to 60"	○ / + from 55" to 60"
Maximum original thickness	Up to 2 mm (0.08")	✓	✓	✓	✓
ROWE AUTOMATIC HEIGHT ADJUSTMENT	 <b>Maximum media thickness up to 30 mm (1.18")</b> . The electrically driven ROWE HEIGHT ADJUSTMENT works fully automatically at the simple push of a key.	○	○	○	○
Scan length	Not limited by the scanner	✓	✓	✓	✓
<b>Scan quality</b>					
Optical resolution	2400 x 1200 dpi	✓	✓	✓	✓
Maximum resolution	9600 dpi	✓	✓	✓	✓
Scan accuracy	0.1% +/- 1 Pixel	✓	✓	✓	✓
Color depth	48-bit color	○ / + 650i-40, -60, -80	✓	✓	✓
	16-bit greyscale	✓	✓	✓	✓
Color space	Not only the standard sRGB color space but also user defined color spaces like Adobe RGB or Device RGB are supported.	○ / + 650i-40, -60, -80	✓	✓	✓
ROWE DOUBLE LIGHT and real time image processing hardware	No shadow production with folded or bent originals due to <b>two</b> special light sources with LED cold light technology	✓	✓	✓	✓
ROWE DOUBLE ROW LENSE	Significantly higher light throughput	✓	✓	✓	✓
ROWE DYNAMIC STITCHING (RDS)	Excellent scan quality also if the originals are folded, bent or very thin	✓	✓	✓	✓
ROWE PRO LOGIC	Scan once for optimal results. Automatic process for the filtering of dirt/background and the highlighting of image information, ideal for originals with poor contrast.	✓	✓	✓	✓
Speed color (24-bit RGB) and 8-bit indexed color*	Meters per minute / Inches per second at 200 x 200 dpi	-	9.75 / 6.4	15.0 / 9.8	20.5 / 13.45
Speed black/white (1-bit) and greyscale (8-bit)*	Meters per minute / Inches per second at 200 x 200 dpi	22.0 / 14.44	22.0 / 14.44	22.0 / 14.44	22.0 / 14.44
Document Improvement System (DIS)	All changes can be done after scanning. <b>No rescanning required.</b> Any changes made will be immediately displayed in the viewer.	✓	✓	✓	✓
SuperSpeed USB 3.0 + RES	Data throughput up to 1000% higher compared to HighSpeed USB 2.0 Data throughput up to 200% higher compared to HighSpeed USB 2.0	✓	✓	✓	✓
Productivity DIN A0, color (24-bit RGB)	Incl. automatic width recognition, SuperSpeed USB 3.0 with RES, documents per hour, at 300 x 300 dpi**	-	294 / 420	370 / 516	438 / 552
Productivity DIN A0, black/white (1-bit) and greyscale (8-bit)	Incl. automatic width recognition, SuperSpeed USB 3.0 with RES, documents per hour, at 300 x 300 dpi**	660	660	660	660
Productivity DIN A0, black/white (1-bit) and greyscale (8-bit)	Incl. automatic width recognition, SuperSpeed USB 3.0 with RES, documents per hour, at 600 x 600 dpi**	432	432	432	432
Power connection	100 - 240 V 50/60 Hz	✓	✓	✓	✓
Power consumption	- Operating / energy saving mode with programmable timer - Stays below the requirements of the Energy Star	43 W / 1 W	43 W / 1 W	43 W / 1 W	43 W / 1 W
Weight	Scan width 44" (with automatic height adjustment plus 3 kg)	37 kg	37 kg	37 kg	37 kg
	Scan width 55"/ 60" (with automatic height adjustment plus 3 kg)	46 kg	46 kg	46 kg	46 kg
	Scan width 44" depth x width x height (with automatic height adjustment width plus 6 mm)	439 x 1454 x 205 mm	439 x 1454 x 205 mm	439 x 1454 x 205 mm	439 x 1454 x 205 mm
	Scan width 55"/ 60" depth x width x height (with automatic height adjustment width plus 6 mm)	439 x 1856 x 205 mm	439 x 1856 x 205 mm	439 x 1856 x 205 mm	439 x 1856 x 205 mm
Quality seals / certificates	Made in Germany, RoHS, CE, CCC, UL, cUL, CB, FCC Part 15 Class B, EAC, BSMI, BIS, EMC directive 2004/108/EG	✓	✓	✓	✓

Made in Germany. ROWE ScanMatrix+ 

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