

NEW SERIES 4000 + 6000

Printing Copying Scanning



Function *Ergonomics* Design

Product overview

Dear Customers,

The new 'Made in Germany' ROWE products, being the 4000 and 6000 - series, were developed for you in order to set new standards in function, ergonomics and design.

With more than 20 world-first innovations and enhancements, the ROWE 4000 and 6000 - series machines offer functions and user benefits that are unique in the market.

In all areas, we did our utmost to make the operation of the equipment as simple and as safe as possible for you by incorporating, for one example, the **ROWE PAPER INPUT ASSISTANT**.

Besides a score and more innovations, we also placed great emphasis on our new units' appearance - they combine the traditional ROWE values of durability and sheer presence with an up-to-date 'modern office' design.

Please familiarise yourselves with the numerous advantages of our new ROWE products when our specialists present them to you.

We look forward to seeing you!

Gerd Ermert
Director, Technical and Development Department

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RCS 4000

RCS 6000

Combined Print, Copy and Colour Scan Systems 600 dpi



RC 4000
RC 6000
Colour Scan Systems 600 dpi



RS 4000
RS 6000
Network Print Systems 600 dpi

Various requirements, one system: ROWE RCS



Highlights

- ✓ Scanning / printing 600 dpi
- ✓ **ROWE COLOUR SCAN MODULE** (option)
- ✓ Copy speed up to 6m/min (RCS 6000)
- ✓ Scan-to-File Kit (standard)
- ✓ Up to 4 automatic rolls (RCS 6000)

ROWE PRINT MANAGER:

- ✓ **ROWE PRINT MASTER**
- ✓ **ROWE PRINT MASTER LT**
- ✓ **ROWE PRINT SPECIALS** (optional)
- ✓ **ROWE COST CONTROL** (optional)
- ✓ **ROWE ONLINE FOLDING SYSTEM** (optional)

RCS 4000
RCS 6000



ROWE PAPER INPUT ASSISTANT

Changing of paper roll without roll core – simple, quick and absolutely ergonomic.
 And that's how it works:
 Insert new roll, push the ROWE Paper Input Assistant together, shift the lever – and that's it!
 Naturally, the ROWE Paper Input Assistant provides for an absolutely centred alignment of the roll – simply ROWE!



ROWE ECO TONER MANAGEMENT:

Original ROWE ECO Toner is nontoxic – this is certified by the LGA, an independent institution for product testing.
Exemplarily low ozone emission: ROWE Digital Systems remain considerably below the permitted limits. This is our contribution to your health.

ERGOTEC

ERGOTEC is a completely new drawer system designed by ROWE. The ROWE product development engineers had one goal in mind, to define a new standard for operating comfort and reliability.

Equipment of the ROWE ERGOTEC drawer:

- ✓ ROWE PAPER INPUT ASSISTANT
- ✓ Automatic detection of roll width (optional)
- ✓ Automatic detection of remaining length of roll (optional)
- ✓ Ergonomically rounded handles
- ✓ Parallel adjustment for stable operation
- ✓ Absolutely smooth running
- ✓ Whisperwise operation – even the stoppers are buffered
- ✓ ROWE – typical durability

ECO PRESS

The new fusing technology of ROWE – energy efficiency with optimal fusing quality. In the past, low energy consumption and a high fusing quality combined with good toner adhesion and a plain print image have been considered to be a contradiction – up till now! With ECO PRESS, ROWE introduces a new fusing process: just 23 W of power consumption in the energy-saving mode (RS 4000 + 6000) and a fusing quality of the highest order.



ROWE Print and Copy Systems Series 4000 + 6000 have been **Energy Star** certified – our contribution to low energy costs and a resource-saving interaction with the environment.

A synonym for productivity in colour: ROWE



Highlights

- ✓ Scan resolution 600 dpi (option: up to 2400 dpi)
- ✓ **ROWE COLOUR SCAN MODULE** (option)
- ✓ Scan speed up to 9m/min (RC 6000)
- ✓ Scan-to-File Kit (standard)
- ✓ Large operating panel, including job templates
- ✓ Aluminium feed table with adhesion-resistant profile
- ✓ Face-up original-feeding

RC 4000
RC 6000



ROWE VIEW allows direct viewing of your scanned originals – instantaneously and without reduction of file size – optionally in colour (**ROWE COLOUR SCAN MODULE**).



ROWE HEIGHT ADJUSTMENT
even scans thickest originals – up to 30 mm! ROWE Engineers succeeded in scanning originals with a thickness of more than 15 mm – requested by operators many times in the past. The ROWE Height Adjustment works fully automatically by simply pressing a button – simply ROWE.



ROWE BACKLIGHT
Compared with conventional scanners, original ROWE Backlight provides a considerably more efficient removal of undesirable background associated with extremely dark transparent originals.



PRO LOGIC+
is the Image Processing Technology newly developed by ROWE. By using our optimal High-Tech-CIS with DOUBLE LIGHT TECHNOLOGY, for the first time very fine image raw data can be created – the precondition for superior scan and copy results.



ROWE DOUBLE LIGHT TECHNOLOGY:
Only optimally illuminated originals can achieve a very good scan result: Following this conclusion, ROWE uses two special light sources with cold light technology instead of one – for scan results in outstanding quality.

Performance and ergonomics combined: ROWE RS



Highlights

- ✓ Space-saving: Front output of prints (option)
- ✓ Print resolution 600 dpi
- ✓ Print speed up to 6m/min (RS 6000)
- ✓ Up to 4 automatic rolls (RS 6000)
- ✓ Automatic detection of roll width after it was input
- ✓ Automatic detection of remaining length of each roll
- ✓ New toner management: Highest print quality with lines, grey areas and black areas

RS 4000
RS 6000



◀ **ERGOTEC 1-roll-drawer:**
On demand, the models RS 4000 and RCS 4000 can be equipped with a 3rd roll – or retro-fitted.



◀ **ERGOTEC 2-roll-drawer:**
By request, we supply a 3rd and 4th roll for the models RS 6000 and RCS 6000 – or retro-fit them.

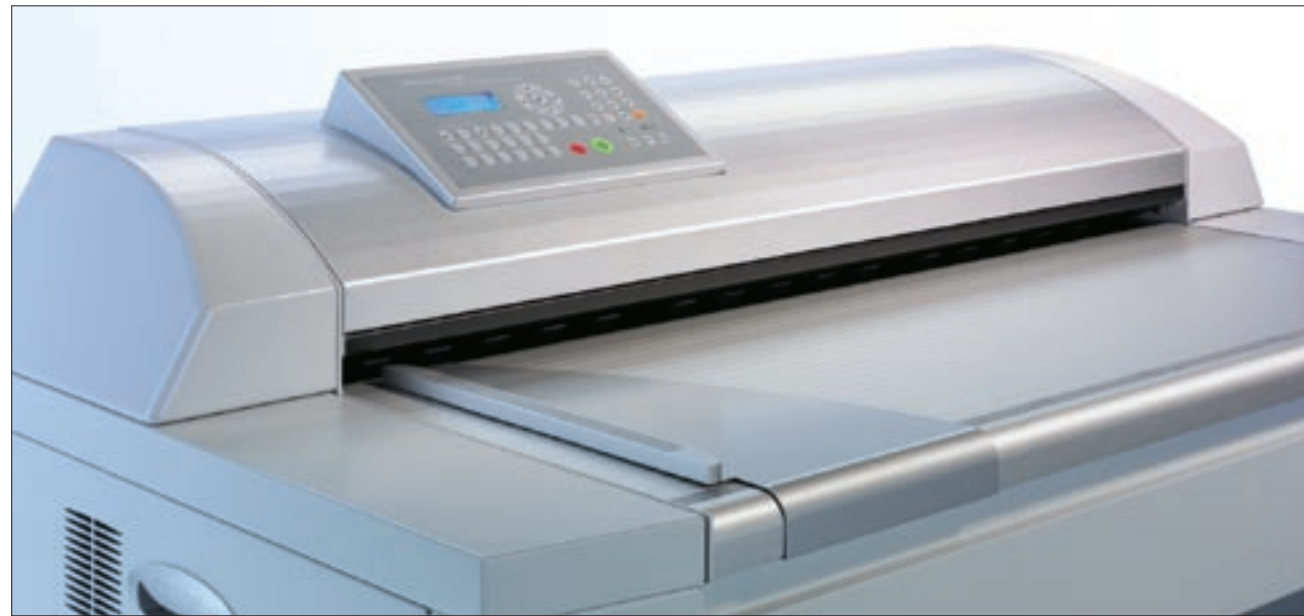
SILENCE SYSTEM

ROWE Systems are exemplarily silent – also during operation.
The ROWE acoustic engineers attached greatest importance to the suitability of ROWE Print and Scan Systems for operation directly at the workplace. Therefore, e.g. fan and fusing system completely turn off during the low-power mode.



Online Folding System **ROWEFOLD 721-4**: Fully automated printing, folding and sorting on smallest space: The ROWE Models in the 4000 and 6000 series can be upgraded with the Online Folding System ROWEFOLD 721-4 any time – by request also with automatic tab applicator and sorter. As a full-line manufacturer, all components incl. software are optimally aligned to each other.

Equipment | Special equipment



Large ergonomic operating panel with job templates and "Green-Button"- principle.

◀ The modern office-designed **ROWE VIEWSTATION** with its ergonomic operating console, floor unit and raised monitor stand enclosing a storage cabinet, all contribute to enhanced user effectiveness.

▲ **ROWE Feed Table with adhesion-resistant profile:**
Often copied but never equalled: the extensive, high-quality aluminium feed table with super durable elox surface and the adjustable feed guide designed after ergonomic criteria.

Face-up function:
See what you are scanning - with ROWE the trend-setting CIS-technology allows for scanning originals business-side up.



Safety first was an important goal when developing the new ROWE Digital Systems. Therefore, we equipped all models of the series 4000 and 6000 serially with a data backup system which allows for saving and restoring of customised settings.



Front (top) output (optional):

The space-saving solution. The output of prints for ROWE RS 4000 and 6000. The ergonomic receiving tray takes up to 100 prints A0-A4 (receiving tray for output at the back is not applicable).



Back output



ROWE STACKER is a deposit table for high volumes – no power supply necessary!

Technical Data

ROWE Printer		RS 4000	RS 6000	RCS 4000	RCS 6000
Technology	Electro photographic (LED) with OPC drum	■	■	■	■
Resolution	600 dpi	■	■	■	■
Print Speed	Running metres per minute in any print mode	4	6	4	6
ROWE ERGOTEC	New smoothly-running drawer system, designed after ergonomic aspects, with parallel adjustment and buffered stoppers	■	■	■	■
Automatic detection of roll width	Automatically recognises the width of a new roll after it was input	□	□	□	□
ROWE DISPLAY OF REMAINING LENGTH	Automatically informs about the available remaining length of each roll	■	■	■	■
ROWE PAPER INPUT ASSISTANT	Innovative media feed system without roll core - easiest handling (handicapped accessible)	■	■	■	■
Number of automatic rolls	2 automatic rolls and single sheet feed	■	■	■	■
Modular construction principle	3rd roll can be retrofit on site 3rd and 4th roll can be retrofit on site	□	-	□	-
ROWE ECO PRESS	New fusing technology: Optimal fusing quality combined with minimum energy consumption (Energy Star certified)	■	■	■	■
ROWE ENERGY SYSTEM	Meets the criteria of the Energy Star	■	■	■	■
ROWE DATA SAFE	Integrated data saving system	■	■	■	■
ROWE SILENCE SYSTEM	Exemplarily silent, eligible for operation right next to the workplace Examined regarding harmful substances and certified by LGA (non-toxic)	■	■	■	■
ROWE ECO-TONER SYSTEM	New toner management: Highest print quality with lines, grey areas and black areas Clean and closed toner system, recyclable cartridges	■	■	■	■
Output formats	DIN A4-DIN A0 and 914mm width, up to 32m length (excess lengths on demand), with very quick change of the roll in access	■	■	■	■
Material types	Plain, transparent, recycling, fluorescent and coloured paper, films and vellum; up to 110g per m ² ; details see ROWE material catalogue	■	■	■	■
Output, backside	Integrated receiving tray for up to 100 prints A4-A0	■	■	■	■
Output, front side (Receiving tray for output at the back is not applicable)	Comfortable stacking facility for up to 100 prints A4-A0	□	□	-	-
ROWE STACKER	Stacker for high printing volumes of A4-A0 Dimensions: W/D/H in mm 1166/1310/678	□	□	□	□
Noise development in db	Low-power mode	not measurable	not measurable	not measurable	not measurable
	Operation	52	52	52	52
Power consumption in Watt	Low-power mode	23	23	28	28
	Operation	1250	1250	1450	1450
Power connection	230 V, 50/60 Hz	■	■	■	■
Ozone concentration	The following values considerably remain below the limit values regulated by law: < 0,001 ppm average value, < 0,002 ppm peak value	■	■	■	■

LEGEND: ■ Standard equipment, □ Additional equipment, - Not available



ROWE Print Controller

		RS 4000	RS 6000	RCS 4000	RCS 6000
Platform	ROWE Controller with integrated operating system file spooling	■	■	■	■
File formats	HPGL, HPGL2, HPRTL, TIFF G2/G3/G4, Packed Bits, CALS 1 and 2, Calcomp 906/907,	■	■	■	■
	PostScript Level 2 and 3, PDF	□	□	□	□
	Standard: Ethernet 10/100/1000 MBit/s with RJ45. Optional: other network cards TCP/IP	■	■	■	■
Network protocols	TCP/IP, NETBEUI (SMB), Novell (IPX/SPX), FTP, LPD; other protocols are supported via an external print server	■	■	■	■
Functions	Automatic detection of data format	■	■	■	■
	Automatic roll selection and change over	■	■	■	■
	Print manipulation: Rotating, positioning and scaling automatic	■	■	■	■
	File spooling on the controller	■	■	■	■
	Set memory: send once, process once, print multiply	■	■	■	■
	Concurrent receiving, processing and printing of digital jobs	■	■	■	■

ROWE Print Manager

ROWE PRINT MASTER	Multiuser, job transmission software with direct feedback from the device, web-based Printer configuration Preview function Saving and recalling of jobs Repeated printing of jobs	■	■	■	■
ROWE PRINT MASTER LT	Easy and quick: The job transmission software with reduced scope	■	■	■	■
ROWE PRINT SPECIALS	Software application for editing stamps, margin texts, cover sheets, folding programmes	□	□	□	□
ROWE COST CONTROL	Comprehensive cost centre management	□	□	□	□
Ambient conditions	Recommended temperature: 20-27°C Recommended air humidity 30-60%	■	■	■	■

Dimensions / Weights

		RS back output		RS front output	
		4000	6000	4000	6000
	Dimensions width/depth/height in mm	1375/700/960		1375/750/1175	
	Weight in kg, with 2 rolls	279 kg		284 kg	
	Weight 1-roll-drawer	36 kg	-	36 kg	-
	Weight 2-roll-drawer	-	58 kg	-	58 kg

LEGEND: ■ Standard equipment, □ Additional equipment, - Not available

Technical Data

ROWE Scanner

		RC 4000	RC 6000	RCS 4000	RCS 6000
Model	Freestanding console	■	■	-	-
	Space-saving embedded scanner	-	-	■	■
Technology	ROWE High-Tech CIS with DOUBLE LIGHT TECHNOLOGY , real-time image processing hardware, 36 bits colour.	■	■	■	■
Resolution	600 dpi	■	■	■	■
	1.200 dpi	□	□	□	□
	2.400 dpi	-	□	-	□
Original width / length	Image width: 200 - 914 mm	■	■	■	■
	Original width: 200 - 965 mm	■	■	■	■
	Original length: min. 200 mm	■	■	■	■
Scan length	Unlimited (only limited through hard disk capacity)	■	■	■	■
Thickness of original	Up to 2 mm	■	■	■	■
ROWE HEIGHT ADJUSTMENT	Up to 30 mm	□	□	-	-
Copy and scan mode	Lines and text, grey scales, dark original, blue print, transparent and photo (standard)	■	■	■	■
Operating panel incl. job templates	Adjustable specific to operator (also handicapped accessible), intuitive, multilingual, each with 32 freely definable job templates for copying or scanning, selectable by one click	■	■	■	■
Feed table	Made of aluminium with adhesion-resistant surface	■	■	■	■
Feed guide	Adjustable +/- 40 mm	■	■	■	■
Original feed	With printed page face-up, automatic feed on/ off	■	■	■	■
Scan speed	Black / white and grey scales in m/min (max.)	6	9	6	9
	Colour in m/min (max.)	2,66	4	2,66	4
	Constant speed	■	■	■	■
Warm-up period	None, ready for operation right away (also for colour)	■	■	■	■
Output unit	Automatic return of scan original	■	■	■	■
Format detection	Precise, digitally automatic format detection; Display of the exactly determined length and width on the scanner operating panel	■	■	■	■
Copy performance	Extremely operating-friendly through automatic format detection and roll selection	■	■	■	■
Multitasking	Continuous processing of copy and scan jobs, also during printing of copies and print jobs, pre-programming of the sequent job	■	■	■	■
Recopy	Repeated output of the last scanned original with different parameters (reduction, enlargement, folding, etc.), without scanning again	■	■	■	■
Copy zoom	Automatic zoom to a standard format; user-defined from 25%-1.000% in steps of 0,1%	■	■	■	■
Exposure control	Automatically, manual fine adjustment possible; background compensation on/off.	■	■	■	■
Image processing technology	New: ROWE PRO LOGIC+ for highest requirements on scan and copy quality	■	■	■	■
ROWE BACKLIGHT	Ideal for scanning of extremely dark transparent originals	□	□	-	-
Scan accuracy	0,1% +/- 1 pixel	■	■	■	■
1:1 tolerance	Below 0,3% (AO original)	■	■	■	■
Image processing	Relocating, aligning, mirroring, inverting, reducing or selecting of areas	■	■	■	■
Stamping of copy for ROWE printer	Includes: free text, date, time	■	■	■	■
	Up to 48 freely selectable stamps	■	■	■	■
	Selection of stamp list directly at the display	■	■	■	■
Multi copy mode	1 - 999 copies	■	■	■	■

LEGEND: ■ Standard equipment, □ Additional equipment, - Not available



RC 4000 RC 6000 RCS 4000 RCS 6000

Input mode	Single sheet or sets	■	■	■	■
Set memory	Up to 999 copies of one set, at least 1.000 A0 originals	■	■	■	■
Roll selection	Manual or automatic selection according to defined user settings	■	■	■	■
Criteria for margins / cut	Setting of front or trail edge, standard cut, synchro cut and customised cut	■	■	■	■
Network connection	115-230 V, 50/60 Hz	■	■	■	■
Power consumption in Watt	Low-power mode	10	10	28	28
	Operating mode	200	200	1.450	1.450
Noise development in db (according to EN 7779 operator position)	Low-power mode	not measurable	not measurable	not measurable	not measurable
	Operating mode	50	50	52	52
ROWE VIEWSTATION	Ergonomic operating console with floor unit and display holder	□	□	□	□
ROWE ENERGY SYSTEM	Energy Star certified	■	■	■	■

ROWE Scan Manager

Scan-to-File Kit	Software application for digitalisation of documentation	■	■	■	■
ROWE VIEW (black/white and greyscales)	Immediate possibility to check the scan without limitation of file size	■	■	■	■
ROWE EDIT (black/white and greyscales)	Professional processing of scans	□	□	□	□
Scan destinations	16 programmable directly available destinations	■	■	■	■
	Scan-to-Web via FTP	■	■	■	■
	Scan to network directory	■	■	■	■
	Scan-to-PC	■	■	■	■
Resolutions	Selectable as of 50 dpi in 1dpi steps	■	■	■	■
Data formats	TIFF (uncompressed, Packbits, G3, G4 and LZW), TIFF-JPG, PDF-JPG, PDF (uncompressed, LZW and G4), CALS	■	■	■	■
Scan modes	Single scan, batch scan with/without test print	■	■	■	■
File names	Creates individual file names automatically for every scan, changes file names when scanning, individual naming of files	■	■	■	■
Operator friendliness	Scan-to-File directly via 32 freely defined job templates to one of the 16 scan destinations by pressing only one button	■	■	■	■

ROWE Scan Color

COLOUR SCAN MODULE	Scan-to-File Kit Color, ROWE View Color, 1 printer driver for Ink Jet printer	□	□	□	□
Further printer drivers	Further printer drivers	□	□	□	□
ROWE EDIT COLOR	Professional editing of scans	□	□	□	□

Dimensions/Weights

		RC		RCS	
	Dimensions width/depth/height in mm	1375/895/1160		1375/850/1170	
	Weight in kg	127 kg	127 kg	315 kg	315 kg
	Weight 1-roll-drawer	-	-	36 kg	-
	Weight 2-roll-drawer	-	-	-	58 kg

LEGEND: ■ Standard equipment, □ Additional equipment, - Not available



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