

Network Document Processors 850, 1150 and 2000



The industry workhorse document reader/sorters with flexibility and upgradability from 850-2000 documents per minute (dpm). With Capacity-on-Demand offerings, you can buy today with confidence and align future operational expenses with capacity needs.

The Industry's First Truly Scalable High Performance Reader/Sorters.

Burroughs Payment Systems defines state-of-the-art document technology with the Burroughs NDP 850, 1150 and 2000. These powerful, high-speed transports are recognized worldwide for their preeminent reliability, image quality, scalable configurations, open connectivity and MICR and OCR readers with the lowest reject and substitution rates in the industry.

IBM Coexistence.

The Burroughs IBM Coexistence product, SortLogic™ enables Burroughs Network Document Processors (NDP) to coexist in an IBM host-based environment, providing "plug and play" emulation supporting all the host-based functionality of an IBM 3890/XP. This solution protects your current host software investment and can expand your capabilities by adding image archive solutions.

Maximize Your Return With Burroughs.

The leader in providing innovative products and tools designed to improve your overall productivity.

- **Burroughs Character Recognition Software**

Utilizes multiple Courtesy Amount Recognition (CAR) and Legal Amount Recognition (LAR) engines to achieve industry-leading read rates with exceptional accuracy.

- **Image Exchange Utilities**

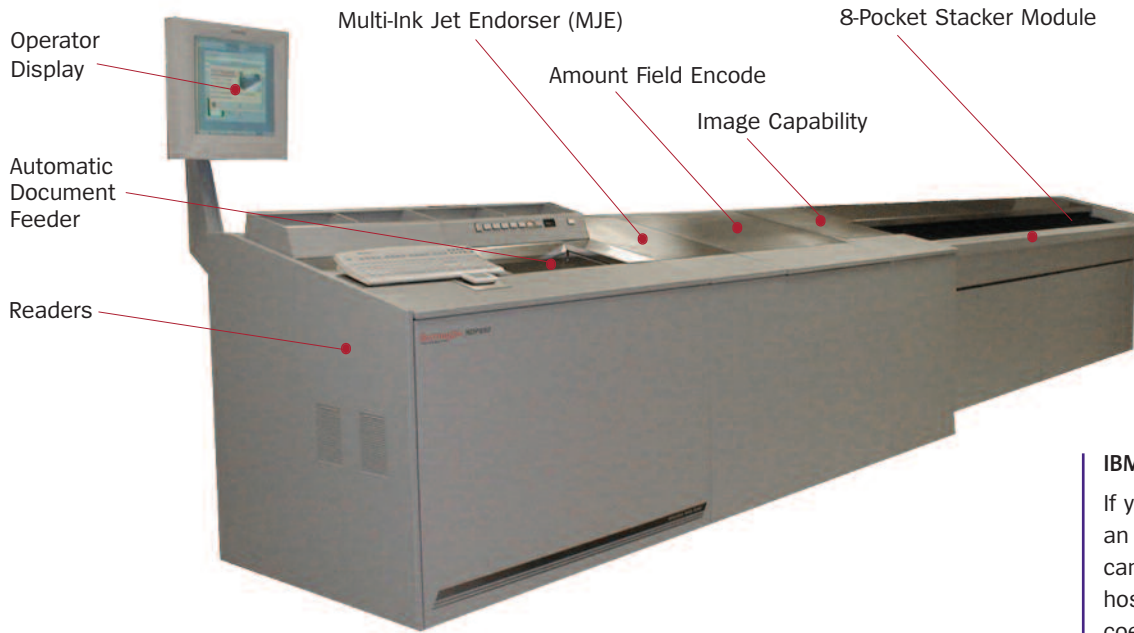
Tools to ensure the quality and usability of images and prevent image fraud.

- **StatsPlus**

Tools to measure and maximize platform and operator performance and to plan preventive maintenance.

- **Operator Video Training and Help**

Transport-based multimedia instructions designed to assist the operator in operating and maintaining the transport.



IBM Coexistence.
 If your institution is running an IBM environment, you can protect your legacy host investment with coexistence by using Burroughs emulation software.

The NDP 850-2000 Features.

Operator Display

A large, 17-inch adjustable flat-panel display provides easy screen viewing from any area of the transport.

An auxiliary flat-panel display may optionally be configured for use at the end of the pockets.

Automatic Document Feeder

The primary document feeder makes it easy to maintain continual document feeding.

The primary document feeder holds approximately 3,000 documents allowing the operator to load the hopper and add more at the back of the current stack when there is room.

The secondary hopper holds up to 400 documents, automatically merging control documents as required.

Intelligent Speed Selection.

By slowing the speed for low quality work, fewer jams and stops can increase wall clock throughput.

The unique Intelligent Speed Selection feature enables transport operators to select the most effective operational speed on the NDP 1150-2000 based on the type of work being processed.

Reader

Superior MICR and OCR Readers significantly reduce the time required for data correction due to character rejects and substitutions.

The NDP 850-2000 provides the highest level of data capture readability, accuracy and reliability in the industry. It is configured with a magnetic ink character recognition (MICR) reader. The NDP 850/1150 also offer an optical character recognition (OCR) reader.

MICR Reader

The dual E13B MICR read subsystem examines each document's MICR codeline using two different magnetic recognition methods simultaneously. The subsystem then compares both codeline interpretations to resolve potentially unreadable or incorrectly interpreted data. The MICR read system can be ordered to recognize either E13B or CMC7 fonts.

OCR Reader

The NDP 850/1150 offer configurations to read up to two lines of OCR. Choose multiple fonts including E13B optical. The Software Height Selectable OCR readers enable two complete OCR lines to be selected and read by the application without operator intervention. The OCR technology is ideal for remittance and retail lockbox environments.

Multi-Ink Jet Endorser (MJE).

Prints audit trail information on front, rear or both.

Multiple standard fonts are provided and multiple custom fonts may be added. Up to 15 graphics may be defined and endorsed (one per endorsement). Up to 128 characters may be printed on each document; placed in up to 8 lines (four lines for NDP 850/1150) and up to 64 character positions in each line.

Amount Field Encode.

The one module design creates fewer jams and requires less maintenance.

Image POD and Image Remittance demand high-speed amount encoding. The High-Speed Encode Module (HSEM) encodes amount fields and optionally transaction codes (16 characters) in either E13B or CMC7. Performance levels of 800, and 1000 dpm are available based upon the transport model.

Image Capture

High-quality images are essential to high recognition rates, trouble-free image exchange and dependable archive.

Burroughs transports may be configured to capture black & white, gray level or color images of the front and/or rear of each item at track speed. High resolution gray level images are often used for character recognition or special post-processing applications, such as signature verification or data-mining. Image quality suspects are flagged on black & white and gray level images in conformance to the ANS X9.100-180 standard. The transport can be stopped to resolve developing issues per customer guidelines. Images can be digitally signed to prevent undetected alteration that could otherwise occur at any point in the image's exchange or storage.

8-Pocket Stacker Module.

Designed for operational efficiency.

The basic configuration for the NDP 850-2000 includes one eight-pocket module. Additional pockets can be added in increments of eight, with a maximum of 40 for the NDP 850/1150, and 48 for the NDP 2000, resulting in fewer document passes. Each pocket contains full/near full sensors and a conveniently placed START/STOP bar for ease of operation.

“ We are excited about the NDP 2000 because it will enable us to process our work faster and meet tight processing windows. We like the ability to control the speed of the transport depending on the amount of the work we need to process.

We are very impressed by Burroughs continued leadership in the financial marketplace and its commitment to customers. ”

Len Steele, Vice President, Payment Services, Associated Bank



Investment Protection.

The Burroughs high-performance NDP family offers the widest range of compatible/upgradable transports in the industry; from the NDP 850 suitable for both departmental solutions, as well as reader/sorter operations, all the way up to the NDP 2000 for high-volume check clearing.

Competitive product lines contain only a few compatible transport models with the highest capacity at 600 or 1150.

Any member of the high performance NDP family; NDP 850 and NDP 1150 can be upgraded to any higher performance level including the NDP 2000.

This enables customers to start on a low-cost platform and upgrade as their volumes or applications increase.

Reliable Check Processing Solutions.

NDP 850, 1150 and 2000 System Specifications

Performance

Sustained at the following speeds for 6-in. (15.2 cm) checks

- NDP 850 - 850 dpm (documents per minute)
- NDP 1150 - 1,150 dpm
- NDP 2000 - 2,000 dpm

All devices run at track speed except high-speed encoder modules

Front and Rear Image Capture

Image renditions available

- Bi-tonal (black/white)
- Gray level (256 gray shades)
- Color (24-bit, RGB) – NDP850/1150 only

Image resolutions available

- 240 or 200 dpi, bi-tonal
- 240, 200, 120 or 100 dpi, gray level
- 200 dpi, color – NDP850/1150 only

Image compression standards supported

- CCITT Group 4 (bi-tonal images)
- JPEG baseline (for gray level and color images)

Image capture combinations available

- Using gray level cameras
 - Front image capture (up to three images)
 - 240 or 200 dpi, bi-tonal (CCITT) *
 - 240 or 200 dpi (high resolution), gray level (JPEG) *
 - 120 or 100 dpi, gray level (JPEG)
 - Rear image capture (up to two images)
 - 240 or 200 dpi, bi-tonal (CCITT) *
 - 240 or 200 dpi (high resolution), gray level (JPEG) *
 - 120 or 100 dpi, gray level (JPEG)
- Using color cameras – NDP850/1150 only
 - Front image capture (up to two images)
 - 200 dpi, color (JPEG)
 - 200 dpi, bi-tonal (CCITT)
 - Rear image capture (up to two images)
 - 200 dpi, color (JPEG)
 - 200 dpi, bi-tonal (CCITT)



Magnetic MICR Reader Options

- E13B (dual read) or CMC7

Optical Character Recognition (OCR) (optional)

- OCRA/OCRB alphanumeric and numeric, E13B optical
- Available on NDP 850/1150 - with up to two readers

Document Feeders

- Primary hopper and feeder capacity - 3,000 documents
- Secondary hopper feeder capacity - 400 documents
- Double document detector

Multi-jet Endorsers (optional)

- 128 characters per endorsement
- NDP 850/1150
 - Rear or front/rear
 - Maximum of four lines of text with a graphical logo
- NDP 2000
 - Front, rear or both
 - Maximum eight lines of text with a graphical logo

High-speed Encoder Module (optional)

- Amount fields/optionally transaction codes (16 char.) /E13B or CMC7
- NDP 850/1150 - 800 dpm for 6" checks
- NDP 2000 - 1,000 dpm for 6" checks

Output Pockets

- Basic 8 pocket stacker module capacity - 600 documents
- NDP 850/1150 - pockets of 8, 12, 16, 24, 32 and 40
- NDP 2000 - pockets of 8, 16, 24, 32, 40 and 48

Technical Specifications

Module	Length	Depth	Height	Installed Weight
Basic unit	47 in (119.4 cm)	36.50 in (92.7 cm)	43 in (109.2 cm)	1,010 lbs (404 kg)
8-pkt module	60 in (152.4 cm)	29.25 in (74.3 cm)	43 in (109.2 cm)	540 lbs (246 kg)
Image module	22.25 in (56.5 cm)	36.50 in (92.7 cm)	43 in (109.2 cm)	407 lbs (185 kg)
HSEM	30 in (76.2 cm)	36.50 in (92.7 cm)	43 in (109.2 cm)	475 lbs (215 kg)
MJE ¹	17.2 in (43.6 cm)	36.50 in (92.7 cm)	43 in (109.2 cm)	350 lbs (148 kg)

¹ Separate module for NDP 2000

¹ Separate module for NDP 850/1150 with 1 or 2 OCR readers

Document Specifications	Minimum	Maximum
Length	5.75 in (14.61 cm)	9.25 in (23.50 cm)
Height	2.50 in (6.35 cm)	4.25 in (10.80 cm)
Thickness	0.0030 in (0.00762 cm)	0.007 in (0.0018 cm)
Length to height ratio	1.6:1	3:1

Power Requirements	Input Voltage	Ampere (amp)
50 Hz	220-240	60 (max. config.)
60 Hz	208-240	60 (max. config.)

Software Interface

Burroughs Common API under Windows XP

Compatible with other Burroughs Common API transports

Acoustic Noise

NDP 850 - 1150: 72 dBa when idle, 75 dBa when operating

NDP 2000: 75 dBa when idle, 79 dBa when operating

Certification

CE Mark

Safety and EMI Standards

UL 1950, CSA-C22.2 No.950-95 (Canada), EN60950 (Europe), CISPR 22A (Europe), EN50082, FCC Class A (U.S.), VCCI Class 1 (Japan), CISPR 24, ENC55022

Consumables

Visit Burroughs Payment Systems Web Store www.burroughsstore.com, email: webstore@burroughsonline.com or call 1-800-448-1424 within the USA.

Contact your Burroughs representative for international orders

Note: Specifications do not provide a viable substitute for a detailed configuration, environmental and infrastructure planning study. Specifications may change without notice.



"The NDP 1150s have been extremely reliable and flexible for us. They have increased our overall throughput due to reduced jams and ease of use. In addition, we are planning on implementing Image POD, a High-Speed Encode Module and Courtesy Amount Recognition software (SoftCAR+)."

Craig Swann, Executive Vice President, CIO, Texas State Bank

State-of-the-Art Technology.

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www.burroughs.com

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