

**Unisys Network Document Processors
850, 1150, 1600, 1825 and 2000**

The broadest upgradable platform available.

RELIABLE CHECK
PROCESSING SOLUTIONS.



**Everything we do is built to deliver
the most reliable check processing
solutions in the industry.**

At Unisys our strength is our ability to deliver platforms, offering the broadest range of products, from compact-size branch devices to high-speed transports that process up to 2,000 documents per minute.

This scalable line of transports—designed, implemented and supported by Unisys—process from 30 documents per minute to over 33 documents per second. Our systems offer the best competitive value at the lowest cost of ownership available in the marketplace.

IBM Coexistence.

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

Maximize your return with Unisys.

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

- ▶ **Common API** – A standard interface that enables solution providers to develop scalable, transport-independent solutions that run on all Unisys transports.
- ▶ **Unisys Character Recognition Software (SoftCAR+ Platinum Edition)** – Utilizes multiple Courtesy Amount Recognition (CAR) and Legal Amount Recognition (LAR) engines to achieve industry-leading read rates with exceptional accuracy.
- ▶ **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.
- ▶ **InfoAdvisor** – On-line access to vast technical knowledge bases that include transport FAQs, documentation and assistance with real-time support.

- > **Consulting.**
- > **Systems Integration.**
- > **Outsourcing.**
- > **Infrastructure.**
- > **Server Technology.**

UNISYS

Imagine it. Done.

TECHNICAL SPECIFICATIONS.

Dimensions.

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)
Microfilmer	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)
OCR cabinet ²	23.24 in (59.04 cm)	36.50 in (92.7 cm)	43 in (109.2 cm)	343 lbs (137 kg)

¹ Separate module for NDP 1600-2000

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

² Required for NDP 1600-2000 OCR configurations

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.

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

Software Interface.

- ▶ Unisys Common API under Windows XP
- ▶ Compatible with other Unisys Common API transports

Acoustic Noise.

- ▶ NDP 850 - 1150: 72 dBA when idle, 75 dBA when operating
- ▶ NDP 1600 - 2000: 75 dBA when idle, 79 dBA when operating

Safety/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

Certification.

- ▶ CE Mark

Consumables.

(www.unisysdirect.com)

- ▶ Consult your Unisys Direct Catalog or call 1-800-448-1424 within the USA.
- ▶ Contact your Unisys representative for international orders.

Reliability.

- ▶ Designed and built by Unisys Corporation.

SPECIFICATIONS.

NDP 850, 1150, 1600, 1825 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 1600 - 1,600 dpm
- ▶ NDP 1825 - 1,825 dpm
- ▶ NDP 2000 - 2,000 dpm

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

Front and rear image capture.

(Optional)

- ▶ Vertical image view area 4.52 in.
- ▶ 200 dots per inch CCITT Group 4 - selectable thresholding
- ▶ 100 dots per inch JPEG 256 gray level
- ▶ 200 dots per inch JPEG 256 gray level - front only
- ▶ Stores image data in TIFF 6.0 file format

Magnetic MICR reader.

- ▶ E13B (dual read) or CMC7

Optical Character Recognition (OCR).

(Optional)

- ▶ OCRA/OCRB alphanumeric and numeric, E13B optical
- ▶ NDP 850/1150: may have up to two readers
- ▶ NDP 1600/2000 with CAPI: may have one reader
- ▶ NDP 1600/2000 with non CAPI: may have up to two readers

Document feeders.

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

Cinemode microfilm.

(Optional)

- ▶ Front/rear at transport speed
- ▶ 1,000 ft. film cassettes

Multi-jet endorsers.

(Optional)

- ▶ 128 characters per endorsement
- ▶ NDP 850/1150: print cartridge system
 - Rear or front/rear
 - Maximum of four lines of text with a graphical logo
- ▶ NDP 1600-2000: reservoir ink system
 - Front, rear or both
 - Maximum eight lines of text with a graphical logo

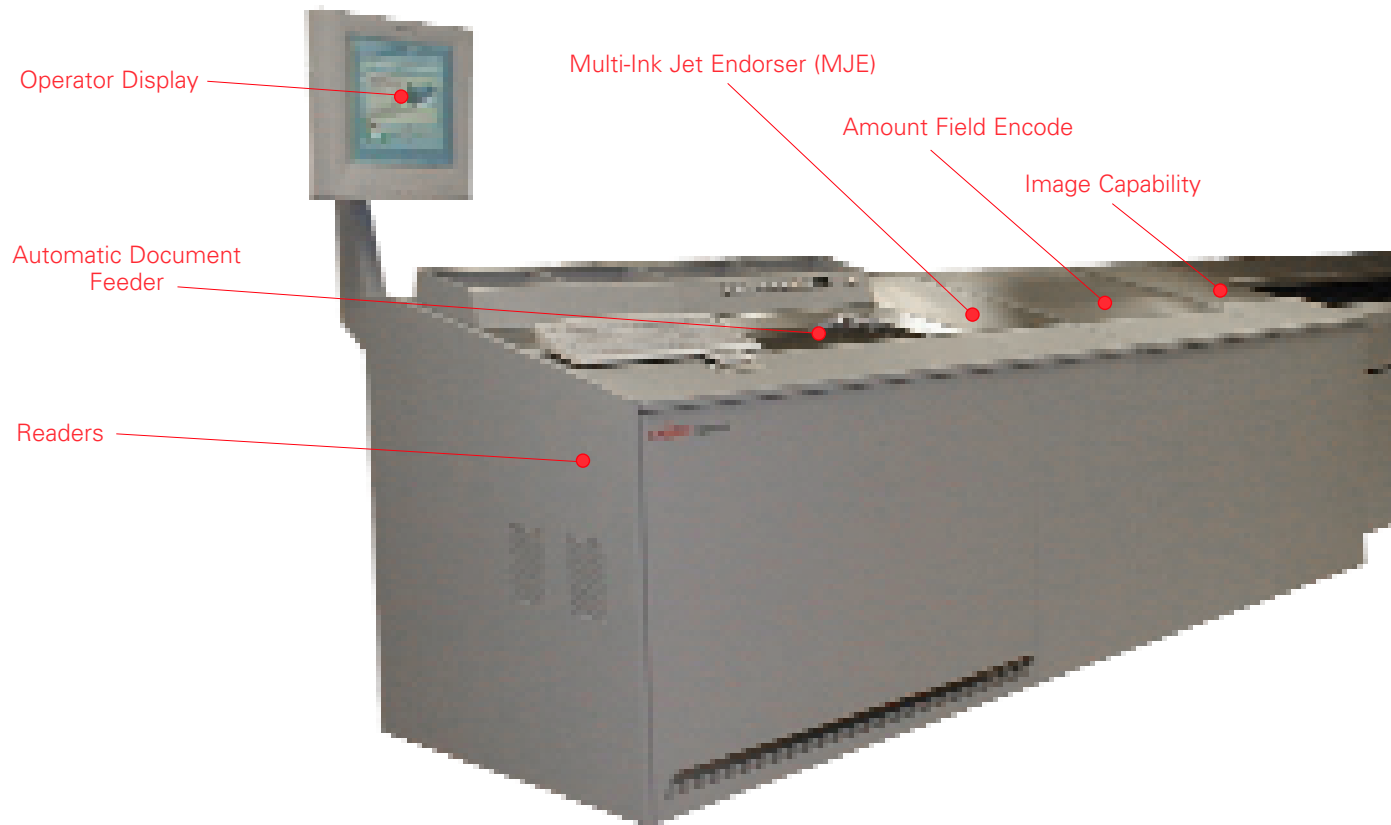
High-speed encoder module.

(Optional)

- ▶ Amount fields/optionally transaction codes (16 char.)/E13B or CMC7
- ▶ NDP 850/1150: 800 dpm for 6" checks
- ▶ NDP 1600-2000: 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 1600-2000: pockets of 8, 16, 24, 32, 40 and 48



**Unisys Network Document Processors.
The Industry's First Truly Scalable High
Performance Reader/Sorters.**

Unisys defines state-of-the-art document technology with the Unisys NDP 850, 1150, 1600, 1825 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.

Operator Display.

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

Automatic Document Feeder.

The primary document feeder makes it easy to maintain continual document feeding. It 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 400 documents, automatically merging control documents as required.

Intelligent Speed Selection.

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

Reader.

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 and optionally, an optical character recognition (OCR) reader.

MICR Reader.

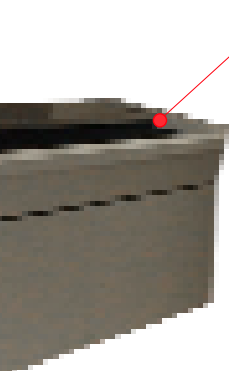
The dual E13B MICR read subsystem examines each document's MICR codeline using two different magnetic recognition methods simultaneously. The subsystem then compares both codeline interpretations to resolve potentially unreadable or incorrectly interpreted data. The MICR read system can be ordered to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

OCR Reader.

The NDP 850-2000 offers configurations to read up to two lines of OCR. Choose multiple fonts including E13B optical. The Software Height Selectable OCR readers on the NDP 850/1150 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. NDP 1600-2000 OCR reader locations can be adjusted by the application with an elevator mechanism.

STATE-OF-THE-ART TECHNOLOGY.

8-Pocket Stacker Module



IBM Coexistence.

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

Investment Protection.

The Unisys 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, NDP 1150, NDP 1600 and NDP 1825 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.

Multi-Ink Jet Endorser (MJE).

Endorsement may be configured for 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 High-Speed Encode Module (HSEM) encodes amount fields and optionally transaction codes (16 characters) in either E13B or CMC7. The one module design creates fewer jams and requires less maintenance. Performance levels of 800, and 1000 dpm are available based upon the transport model.

Microfilmer.

The microfilm module films (Cinemode) both sides of documents at full transport speed at a 50 to 1 reduction. A blip count is included as well as a unique 12-digit identification number. Each supply reel holds up to 200,000 check-sized images.

Image Capability.

All Unisys transports provide the ability to capture up to five images at track speed. These include front and/or rear CCITT for image statement print and data entry, JPEG for Archive, and a high-resolution JPEG front image. This high-res JPEG image may be used for character recognition or special post-processing applications such as signature verification or data mining. Image quality suspects are flagged in conformance to the ANSI standard X9.37. Image quality trends are monitored continually per customer guidelines. The transport can be stopped to resolve developing issues.

Images can be digitally signed to prevent undetected alteration at any point in the transmission or storage. Images can be stored in either the industry standard XML format or the Unisys Common API file format. The XML format facilitates easier implementation of Web-based applications.

8-Pocket Stacker Module.

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 1600-2000, 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

**For more information, please visit our
Web site: www.unisys.com/products/payment_systems**

Specifications are subject to change without notice.

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