



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

### Request for Quotation

RFQ NUMBER  
**AUD073145**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**RON PRICE**  
**304-558-0492**

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE

*Unisys Corp.*  
*Northgate Business Park*  
*290 Association Drive*  
*Charleston, WV 25311*

SHIP TO

STATE AUDITOR'S OFFICE  
 BUILDING 1, ROOM W100  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305-0230 558-2251

\* 709025203 od (304) 40-4422

DATE PRINTED <b>09/13/2006</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **09/28/2006** BID OPENING TIME: **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		600-36		NA
<p><b>CHECK PRINTING SYSTEM</b></p> <p><b>REQUEST FOR INFORMATION</b></p> <p><b>TO SOLICIT INFORMATION FROM QUALIFIED VENDORS FOR PRODUCTS AND SERVICES REQUIRED TO REPLACE THE EXISTING CHECK PRINTING SYSTEM PER THE ATTACHED</b></p> <p><b>PLEASE FURNISH ONE ORIGINAL AND ONE CONVENIENCE COPY OF THE INFORMATION TO:</b></p> <p><b>PURCHASING DIVISION</b>  <b>2019 WASHINGTON STREET EAST</b>  <b>CHARLESTON, WV 25305</b></p> <p><b>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</b></p> <p><b>SEALED BID</b></p> <p><b>BUYER: 41</b></p> <p><b>RFQ. NO.: AUD073145</b></p> <p><b>BID OPENING DATE AND TIME</b></p> <p><b>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</b></p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE <i>215 9866614</i>	DATE <i>9-20-06</i>
TITLE <i>Contracts Manager</i>	FAX <i>3803 87840</i>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia
2. The State may accept or reject in part, or in whole, any bid
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30
6. Payment may only be made after the delivery and acceptance of goods or services
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order
14. **HIPAA Business Associate Addendum** - The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor

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**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications
3. Complete all sections of the quotation form
4. Unit prices shall prevail in cases of discrepancy
5. All quotations are considered F O B destination unless alternate shipping terms are clearly identified in the quotation
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications

**SIGNED BID TO:**

Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER  
**AUD073145**

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**2**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**RON PRICE**  
**304-558-0492**

VENDOR

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*Unisys Corp*  
*Northgate Business Park*  
*290 Association Drive*  
*Charleston WV 25311*

SHIP TO

STATE AUDITOR'S OFFICE  
 BUILDING 1, ROOM W100  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305-0230 558-2251

\*709025203 02 (304)340-4422

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
09/13/2006				

BID OPENING DATE: **09/28/2006** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				<i>Dave Williams</i>	<i>340-4422</i>	
CONTACT PERSON (PLEASE PRINT CLEARLY):						
***** THIS IS THE END OF RFQ AUD073145 ***** TOTAL:						<u>NA</u>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Jana Chornus</i>	TELEPHONE <i>215 986 6614</i>	DATE <i>9-20-06</i>
TITLE <i>Contracts Mgr</i>	FEIN <i>380387840</i>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

# REQUEST FOR INFORMATION

3

## WV STATE AUDITOR'S OFFICE

### PURPOSE OF THIS DOCUMENT

The West Virginia State Auditors Office (WVSAO) is soliciting information from qualified vendors for products and services required to replace the WVSAO existing check printing system. The information gathered in this process may result in the development of a Request for Proposal (RFP) or Request for Quotation (RFQ).

### **RESPONSE TO THIS RFI WILL NOT CULMINATE IN AN AWARD.**

WVSAO currently utilizes two 185 Page Per Minute (PPM) (1-Up) high speed continuous form printers to print approximately three million documents annually. The WVSAO intends to replace these continuous form printers with two high speed cut sheet printers. The documents printed include a variety of Magnetic Ink Character Recognition (MICR) checks, Wage and Tax Statements (Form W2) and Notification of Deposits (NODS). These items are printed on a minimum of five different form types of various sizes and folds (Z-fold and Eccentric).

### **Cut Sheet Printer Solution must specifically support the following:**

- 1 Must be fully compatible with Unisys Enterprise Output Manager (EOM) and Web Assistant version 6.1.2 or later software
- 2 Existing form and print designs must be migrated into EOM
- 3 Migration and implementation to be completed within 18 months from start date
- 4 Must be capable of 160PPM (1-Up) print speeds
- 5 The interface to printers must use Ethernet 100 Base T (minimum) Transmission Control Protocol/Internet Protocol (TCP/IP)
- 6 Interchangeable developer stations for MICR and non-MICR printing
- 7 Simplex or Duplex Printing, with the Native Printer Code being PCL5e or later
- 8 Paper Types: Standard laser copy paper, Suitable perforated papers, Pre-printed papers, Carbonless paper, Coated paper, Adhesive Labels, and Tabs
- 9 Paper Weights: 16-51 lbs (Letter), 16-32 lbs (Legal), and 32-51 lbs (Tabs)
- 10 Paper Formats: Letter, Legal, Ledger, A4, A4+, A3, A3+, B4 and variable formats from 203 x 210 mm to 432 x 310 mm.
- 11 Support form types that include Z-fold (checks) and Eccentric fold (W2's)

### **The WVSAO point of contact for this RFI is:**

Mike Withrow, Assistant Controller  
WV State Auditors Office  
4916 Kanawha Blvd E  
Malden, WV 25306  
304 926 1717  
mike.withrow@wvsao.gov

# AFFIDAVIT

**West Virginia Code §5A-3-10a states:**

No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation license assessment defaulted workers' compensation premium penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon

"Debtor" means any individual, corporation partnership association limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions

"Political subdivision" means any county commission, municipality, county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities

"Related party" means a party, whether an individual corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount

**EXCEPTION:**

The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code workers' compensation premium permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement

**LICENSING:**

The vendor must be licensed in accordance with any and all state requirements to do business with the state of West Virginia

**CONFIDENTIALITY:**

The vendor agrees that he or she will not disclose to anyone, directly or indirectly any such personally identifiable information or other confidential information gained from the agency unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules Vendors should visit [www state wv us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies

*To the best of my knowledge, information and belief as of the date below,*  
Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated

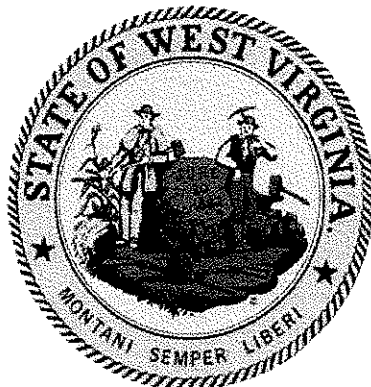
Vendor's Name: Unisys Corporation

Authorized Signature: *[Signature]* Date: 9/20/06

**UNISYS**

*West Virginia State Auditor's Office*

*Request for Information*  
*AUD073145*



*Unisys Response*

September 20, 2006



Unisys Corporation      Telephone  
NorthGate Business Park      304 340 4400  
290 Association Drive      304 340 4423 Fax  
Charleston, WV 25311

September 20, 2006

Evaluation Committee  
West Virginia State Auditor's Office  
Building 1, Room W-100  
1900 Kanawha Boulevard, East  
Charleston, WV 25305

Dear Evaluation Committee:

Unisys Corporation is pleased to provide the enclosed response to the West Virginia State Auditor's Office (WVSAO) Request for Information (RFI # AUD073145) for information concerning products and services to replace the WVSAO's existing check printing system.

Unisys print solutions are compatible with Unisys Enterprise Output Manager (EOM) and Web Assistant version 6.12 and the current 7.0 version. In responding to this RFI, Unisys has provided information concerning Unisys UHS5160-MCR MICR Printers, which meet or exceed all of the cut-sheet printer solution requirements set forth in RFI #AUD073145.

We believe a number of efficiencies could be made in the State Auditor's Office, as well as at the State Treasurer's Office with the upgrade to the UHS5160-MCR printers.

The Auditor's Office and the Treasurer's Offices would both gain more floor space by the Auditor's Office moving to the cut sheet technology that is provided by the UHS5160s. The Auditor's Office would no longer need the splicing table or the paper stacker utilized with the existing continuous form printers. The Treasurer's Office would no longer have a need for a continuous form burster, or the perforation vacuum cabinet, as that office is currently bursting the checks down into 8 ½ x 11 so the checks can be ran through another printer for the Treasurer's signature. The UHS5160 printers have the capability (not proposed) through EOM to allow the Treasurer's signature to be printed, while still allowing the Treasurer's Office full control of the use of the signature.

The UHS5160-MCR 162 PPM printers with Quick Change toner stations allow for changing out the MICR toner to regular black toner when required. This capability allows print jobs such as W2's to be printed with regular black toner, instead of the more expensive MICR ink as is currently done. An extra cart for redundancy in changing out Developer Stations would also be recommended (e.g. a cart is required to unload a MICR developer station from the printer, and another cart is required for loading the standard black toner developer).



Please review the following for more information in response to your RFI. Should you require any additional information please feel free to call. We at Unisys appreciate the interest of the West Virginia State Auditor's Office in our products and services, and look forward to the opportunity of responding to any request for proposals as they may relate to RFI AUD073145.

Sincerely,

A handwritten signature in black ink that reads "Dave Williams". The signature is fluid and cursive, with a long horizontal stroke at the end.

Dave Williams  
Portfolio Sales Executive

A handwritten signature in black ink that reads "Lara C. Novino". The signature is cursive and somewhat stylized, with a long horizontal stroke at the end.

Lara C. Novino  
Contracts Manager

Enclosures

cc: Dave Sangster, Unisys





### Statement of Understanding

This Response has been prepared in accordance with Unisys understanding of your requirements based on the information provided in the Request for Information #AUD073415 and good systems design techniques. All timings, flow charts, system design and related information contained in this document represent Unisys best estimates. However, since the actual results in your particular operations (including among other aspects speeds, personnel requirements and costs) may vary from those indicated herein due to variations in software, programs, volume, environment, personnel, and other factors, the final determination that the recommended products and services meet your requirements must be yours.

**This document contains confidential information of Unisys Corporation. In consideration of the receipt of this document, recipient agrees not to reproduce or make this information available in any manner to persons outside the group directly responsible for evaluation of its contents.**

This response is neither a contract nor an offer to contract. By your receipt of this response, the State of West Virginia Auditors Office is not obligated to make an offer to Unisys to buy any products or services. Only a written order from the State of West Virginia's Auditors Office that is accepted (and signed) by an authorized representative of Unisys will create any Unisys obligations arising from, or related to, this response or any service described in this response.

# REQUEST FOR INFORMATION

## WV STATE AUDITOR'S OFFICE

### PURPOSE OF THIS DOCUMENT

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#### **Cut Sheet Printer Solution must specifically support the following:**

##### **Unisys**

##### **Response**

- |     |   |
|-----|---|
| Yes | 1. Must be fully compatible with Unisys Enterprise Output manager (EOM) and Web Assistant Versions 6.1.2 or later software.                           |
| Yes | 2. Existing form and print designs must be migrated into EOM.   |
| Yes | 3. Migration and implementation to be completed within 18 months from est. 12 mos start date.   |
| Yes | 4. Must Be Capable of 160 PPM (1-Up) print speeds.  |
| Yes | 5. The interface to the printers must use Ethernet 100 Base T (minimum) Transmission Control Protocol/Internet Protocol (TCP/IP).                     |
| Yes | 6. Interchangeable developer stations for MICR and non-MICR printing.   |
| Yes | 7. Simplex or Duplex Printing with the Native Printer Code being PCL5e or later.  |
| Yes | 8. Paper Types: Standard laser copy paper, Suitable perforated papers, Pre-printed papers, Carbonless paper, Coated paper, Adhesive Labels, and Tabs. |
| Yes | 9. Paper Weights: 16-51 lbs. (Letter), 16-32 lbs. (Legal), and 32-51 lbs. (Tabs).   |
| Yes | 10. Paper Formats: Letter, Legal, Ledger, A4, A4+, A3, A3+, B4 and variable formats from 203-210 mm to 432 -310 mm.                                   |
| Yes | 11. Support form types that include Z-fold (checks) and Eccentric fold (W2's).  |



## **UHS5160 High Speed Cut Sheet Printer**

The UHS5000 series of printers were designed for cost-effective, cut sheet digital printing in short or long runs, on demand, and with print-for-one personalization. The UHS5000 family of digital cut sheet printing systems delivers the speed, power, and efficiency that today's converging environments require.

Engineered for complex, multi-vendor, convergent environments, the UHS5000 series is the first family of digital, cut sheet printing and publishing systems to bring production-class capabilities to the high volume work center. Versatile, reliable, and productive, the UHS5000 systems offer advanced workflow and enterprise management capabilities, greater total capacity, and the industry's fastest speeds in the production volume range. Selectable paper drawers and high-capacity stacking make it easy to add extra input and output capacity.

The UHS5115-MCR and UHS5160-MCR printers use Quick Change Developer Station technology (QCDS). This technology makes it possible to print a full range of documents with standard black toner, MICR toner, or CustomTone for highlight color or custom blended colors by simply changing the developer station. It takes just minutes for an operator to replace one QCDS module with another, incurring minimal downtime. With the flexibility enabled by QCDS, the same printer may also be used for other applications, such as CustomTone highlight color when MICR printing is not required.

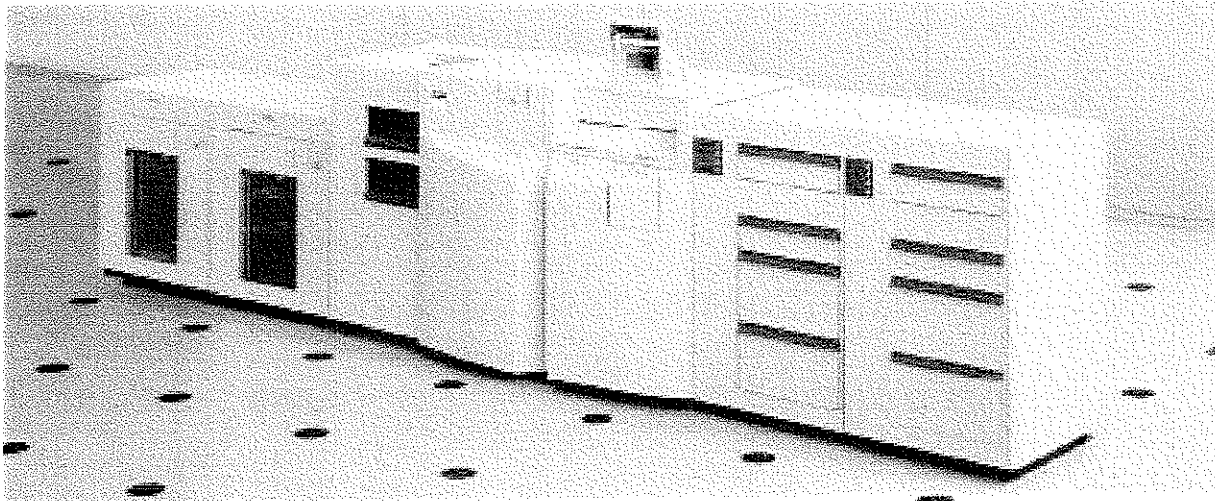
The UHS115-MCR and UHS5160-MCR printers are ideal for MICR applications such as checks, pre-authorized drafts, bankcard checks, coupon payment books, and deposit books. Users in a wide range of industries, including banking and financial services, insurance, service bureaus, and direct mailers, gain significant productivity benefits from this printer's reliable, versatile performance. On-demand printing of high-quality MICR output helps organizations save time and minimize the costs and risks associated with storing and transporting preprinted checks and other negotiable documents.

These MICR printers are production machines of unequalled versatility that are specifically designed for maximum flexibility in order to handle the most demanding workloads. Capable of speeds of up to 162 pages per minute (ppm), these printers offer endless solutions and countless possibilities to meet the demands and expectations of users at every level.

With just one system, the UHS5115-MCR and the UHS5160-MCR series printers eliminate the need for additional, costly dedicated printing devices found in the traditional data center, graphic arts and reprographics environments. These cost-effective printers offer a solution for virtually every application and environment and seamlessly support all of your document management requirements into the future. Unisys enterprise-wide high-speed printing systems are ready to satisfy the fullest range of the most complex document processing, production, and printing requirements.

# UNISYS

Providing the flexible production tools today's corporate and commercial print operations require, Unisys production printing systems supports PCL5e with optional PostScript, and come equipped with an Ethernet 100 Base TX TCP/IP interface.





## UHS5115-MCR and UHS5160-MCR Cut Sheet Series

<b>Variants</b>	UHS5115-MCR up to 112 ipm / UHS5160-MCR up to 162 ipm
<b>Operating principle</b>	Electrophotography, LEDplus technology
<b>Fusing method</b>	Heat-pressure fusing
<b>Print field resolution</b>	MRM advanced (Multi Resolution Mode) -300/600 dpi with automatic resolution switching
<b>Cutsheet papers</b>	Standard laser copy paper / Suitable perforated papers Preprinted papers / Carbonless paper / Coated paper Adhesive labels / Tabs
<b>Paper weight</b>	Letter 60 to 190 g/m <sup>2</sup> (16 to 51 lbs) Legal 60 to 120 g/m <sup>2</sup> (16 to 32 lbs) Tabs 120 to 190 g/m <sup>2</sup> (32 to 51 lbs)
<b>Paper formats</b>	Letter, Legal, Ledger, A4, A4+, A3, A3+, B4, Variable formats from 203 x 210 mm to 432 x 310 mm (first value means paper length in feed direction)
<b>Paper feed</b>	5,200 sheets in 4 input trays (2 x 2,000 and 2 x 600 sheets of 80 g/m <sup>2</sup> ) Additional 5,200 sheets is optional.
<b>Paper stacking</b>	2,400 sheets in 2 output trays (1,200 sheets each), in sequence stacking face down or face up, sample tray holding 50 sheets (80 g/m <sup>2</sup> )
<b>Tray selection</b>	Automated or manual control of input trays. Load while printing
<b>Job separation</b>	Via job controlled offsetting or colored separator sheets
<b>Print modes</b>	Automatic simplex/duplex
<b>Native Printer codes</b>	PCL5e
<b>Interface</b>	Ethernet 100 Base TX, TCP/IP
<b>Electrical Power consumption (Standby values in brackets)</b>	Voltage Frequency Safety fuses Real Power Apparent Power Heat output 208 V ±10% 60 Hz ±1 Hz 3 x 25 A 5.3 kW ± 10% (1.8 kW ±10%) 5.7 kVA ± 10% (2.2 kVA ±10%) 19,080 kJ/h (7,920 kJ/h) 18,099 BTU/hr (7,513 BTU/hr)

**Operating noise (Standby values in parentheses)** Max. 64 dB (A) (Max. 58 dB (A))

<b>Environmental</b>	<i>Recommended Optimum Range of Operation</i>	<i>Limit Range of Operation</i>
<i>Temperature</i>	68-79°F 20-26 °C	50-89.6 °F 10-32 °C
<i>Relative Humidity</i>	30% to 50% (paper 25% to 40%)	10-80%

**Physical**

<i>Height</i>	56.7 inches (without monitor) (1,440 mm)
<i>Width Length</i>	38.6 inches (980 mm) 128.7 inches (3,270 mm)

**Weight** Approximately 3175 lbs (1440 kg)

**Options** Connection of intelligent pre- and post- processing equipment Additional 4 input trays holding 2 x 2,000 and 2 x 600 sheets Roll to Sheet Feeder High Capacity Stacker holding 5,000 sheets (80 g/m<sup>2</sup>), stacking on trolley, up to 2 stackers in line Controller performance upgrade. CustomTone for single-sided or double-sided 2 color printing MICR printing

# UNISYS

## **Features**

### ***Scalable raster architecture (SRA)***

SRA is an enhanced print controller, scalable in memory and processing power, to accommodate fast processing of complex pages. The SRA controller comes standard with Automatic Resolution Mode for support of 240, 300 and 600 dpi data streams and a choice of up to three interfaces to support SCSI, TCP/IP 10/100/1000Base-T Gigabit Ethernet, and 1000Base-SX Gigabit Ethernet.

### ***Quick Change Developer Station (QCDS)***

QCDS allows you to change out developer stations to print a full range of documents on a single printer. Print with standard black toner or MICR toner. The QCDS capability eliminates the need to dedicate specific machines for specific applications, and even enables you to utilize MICR, or standard black toner documents.

### ***Extensive Input Capacity***

For extended operation, the system features a total input paper capacity of 15,600 sheets through 12 input drawers plus optional roll feeding. Each drawer is separately addressable, format-sensing, and capable of handling all paper sizes up to ledger and different paper types and weights.

### ***Print architecture independence***

Native support of IPDS and PCL5e is supported in the SRA controller. Additional multiple page description languages (PDLs) like DJDE/Metacode, PostScript, PDF, and TIFF are supported.

## **Benefits**

### ***Shorter time to get the job done***

The UHS5000 family of printing systems supports an extensive range of applications from short-run, on-demand output to print-for-one personalization to longer high volume production runs. With higher throughputs up to 155-ppm, multi-vendor support and a QCDS that supports black and white, highlight color, and MICR printing in one system, UHS5000 printers help you get your documents printed faster and more profitably.

### ***Convergence-ready versatility***

Designed for convergence-ready versatility, adaptable UHS5000 printers offer the flexibility, adaptability, and scalability required to shift directions as new markets emerge and applications, environments, and requirements converge. With a UHS5000 system, you can handle just about any job that comes your way and dynamically produce applications in monochrome, highlight color, or MICR on a wide range of media using one machine built to handle it all.



***Ready to grow***

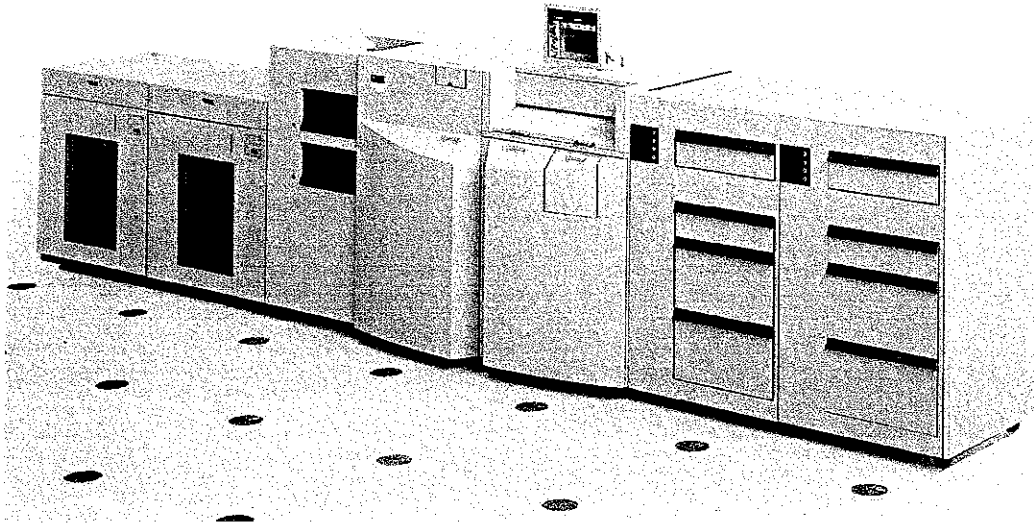
Flexible, scalable, and ready to grow UHS5115 printers can be field-upgraded to the next level of speed (UHS5160), and from black and white, to highlight color, MICR or a combination of MICR and highlight color printing.

***Reliability that lets you work without worry***

Every UHS5000 printer is backed by the assurance of exceptional uptime performance, round-the-clock support, and the expertise of a team of seasoned professionals who can optimize your solution to meet your exact needs.

# UHS5115-MCR and UHS5160-MCR

**UNISYS**  
imagine it. done.



## Product Features

- Cut Sheet
- Simplex/Duplex
- 112/162 Images Per Minute Output Speed
- PCL5e
- Highlight Color
- 300 and 600 DPI switchable Multi-Resolution Mode
- Scalable Raster Architecture
- Monthly Duty Cycle of Up to 2,000,000 Images
- Multiple Paper Types
- Dual Print Engines

The UHS5115-MCR and UHS5160-MCR are powerful and versatile Image Replacement Document (IRD) modular cut sheet production printers able to print a full range of applications and images.

The UHS5115-MCR and UHS5160-MCR are production machines of unequalled versatility that seamlessly support a full variety of workflows including those needed in the financial sector: Image Replacement Document (IRD) and MICR applications like check printing.

These printers are specifically designed for maximum flexibility to handle the most demanding workloads. Capable of speeds of up to 162 images per minute (ipm), these printers offer endless solutions and countless possibilities to meet the demands and expectations of users at every level!



## Check 21 – Image Replacement Document Printing

Unisys precision thinking and relentless execution are well known in the financial market. For over 100 years financial institutions have chosen Unisys to help increase efficiency, improve customer relationships, and enhance profitability

MICR output functionality on the UHS5115-MCR and UHS5160-MCR cut-sheet digital printing system is enabled through the exclusive Quick Change Developer Station (QCDS). It takes just minutes for an operator to replace one QCDS module with another, incurring minimal downtime, mess and complications. With the flexibility enabled by QCDS, the same printer may also be used for other applications such as CustomTone highlight color, when MICR printing is not required.

Unisys is uniquely qualified and prepared to provide MICR Image Replacement Document (IRD) Check 21 printing solutions which effectively meet the demands of image replacement document printing.

### MICR Printing

The UHS5115-MCR and UHS5160-MCR production-ready cut sheet printers are perfect for MICR applications such as checks, pre-authorized drafts, bankcard checks, coupon payment books, and deposit books. Users in a wide range of industries including banking and financial services, insurance, service bureaus and direct mailers gain significant productivity benefits from the printer's reliable, versatile performance. On-demand printing of high-quality MICR output helps organizations save time and eliminate the costs and risks of storing and transporting preprinted checks and other negotiable documents that can be damaged or stolen.

These printers are specifically designed for maximum flexibility to handle the most demanding workloads.

## Easy Multi-Application Functionality

These high speed IRD printers use Quick Change Developer Station technology. This technology makes it possible to print your full range of documents with standard black toner, MiCR toner, or CustomTone toner for highlight color or custom blended colors just by simply changing the developer station!

## Unsurpassed Paper Handling Flexibility

These two MICR printers dominate the IRD production printing scene by maximizing output with total paper input capacity of up to 10,400 sheets via eight input drawers. These drawers are separately addressable, format sensing, and capable of handling all paper sizes from letter up to ledger as well as different qualities of paper stock. For equally efficient paper output, Unisys High Capacity Stackers match the paper input capacity.

Distinguished by high output speeds that enable faster job turnaround and uninterrupted printing, these two printers streamline business processes and help users to accomplish as much as they can. And with the addition of MICR support, these printers truly represent an all inclusive investment that is versatile enough to be used for production printing in widely varied ways.

## Investment Protection

With just one system, the UHS5115-MCR and the UHS5160-MCR series printers eliminate the need for additional, costly dedicated printing devices found in the traditional data center, graphic arts and reprographics environments. These cost-effective printers offer a solution for virtually every application and environment and seamlessly support all of your document management requirements into the future. Unisys enterprise-wide high-speed printing systems are ready to satisfy the fullest range of the most complex document processing, production, and printing requirements.

Providing the flexible production tools today's corporate and commercial print operations require, Unisys production printing systems supports PCL5e with optional PostScript, and come equipped with an Ethernet 100 Base TX TCP/IP interface.

# Technical Specifications

Variants	UHS5115-MCR up to 112 ipm UHS5160-MCR up to 162 ipm	
Operating Principle	Electrophotography, LEDplus technology	
Fusing Method	Heat-pressure fusing	
Print Field Resolution	MRM advanced (Multi Resolution Mode) – 300/600 dpi with automatic resolution switching	
Cut Sheet Papers	<ul style="list-style-type: none"> <li>• Standard laser copy paper</li> <li>• Suitable perforated papers</li> <li>• Preprinted papers</li> <li>• Carbonless paper</li> <li>• Coated paper</li> <li>• Adhesive labels</li> <li>• Tabs</li> </ul>	
Paper Weight	Letter	60 to 190 g/m2 (16 to 51 lbs)
	Legal	60 to 120 g/m2 (16 to 32 lbs)
	Tabs	120 to 190 g/m2 (32 to 51 lbs)
Paper Formats	Letter, Legal, Ledger, A4, A4+, A3 A3+, B4, Variable formats from 203 x 210 mm to 432 x 310 mm (first value means paper length in feed direction)	
Paper Feed	5,200 sheets in 4 input trays (2 x 2,000 and 2 x 600 sheets of 80 g/m2) An additional 5,200 sheets is optional	
Paper Stacking	2,400 sheets in 2 output trays (1,200 sheets each) in sequence stacking face down or face up, sample tray holding 50 sheets (80 g/m2)	
Tray Selection	Automated or manual control of input trays Load while printing	
Job Separation	Via job controlled offsetting or colored separator sheets	
Print Modes	Automatic simplex/duplex	
Native Printer Codes	PCLSe	
Interface	Ethernet 100 Base TX, TCP/IP	
Electrical	Voltage	208 V ±10%
	Frequency	60 Hz ±1 Hz
	Safety fuses	3 x 25 A
Power Consumption	Real Power	5.3 kW ± 10% (1.8 kW ±10%)
(Standby values in parentheses)	Apparent Power	5.7 kVA ± 10% (2.2 kVA ±10%)
	Heat Output	19,080 kJ/h (7,920 kJ/h) 18,099 BTU/hr (7,513 BTU/hr)
Operating Noise	Max. 64 dB (A) (Max 58 dB (A))	
(Standby values in parentheses)		

(Technical Specifications continued on next page)

## Technical Specifications (continued)

Environmental	Recommended Optimum Range of Operation	Limit Range of Operation
	Temperature 68-79° F	50-89 6° F
	20-26° C	10-32° C
	Relative Humidity 30% to 50% (paper 25% to 40%)	10-80%
Physical	Height 56.7 inches (without monitor) (1,440 mm)	
	Width 38.6 inches (980 mm)	
	Length 128.7 inches (3,270 mm)	
Weight	Approximately 3175 lbs (1440 kg )	
Options	<ul style="list-style-type: none"><li>• Connection of intelligent pre- and post-processing equipment</li><li>• Additional 4 input trays holding 2 x 2,000 and 2 x 600 sheets</li><li>• Roll to Sheet Feeder</li><li>• High Capacity Stacker holding 5,000 sheets (80 g/m2), stacking on trolley, up to 2 stackers in line</li><li>• Controller performance upgrade</li><li>• CustomTone for single-sided or double-sided 2 color printing</li><li>• MICR printing</li></ul>	

# Can we help you? Absolutely!

If you have questions or would like more information about the Unisys High-Speed Laser Printer Series, please call 1-800-448-1424 in the US, in Canada call 1-800-387-6127, or contact your Unisys sales representative. You may also visit the Unisys Direct web site at [www.unisysdirect.com](http://www.unisysdirect.com)

Specifications are subject to change without notice

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