

July 1, 2009

Dept of Administration
Purchasing Division
Michael Austin, Senior Buyer

RFQ# 5890004
Bid Opening: July 1, 2009 1:30pm

Mr. Austin,

Komax Business Systems has proposed two different bid options. Both bids will include (11) KIP 3100 STF w/color scanning systems, (11) Canon IPF 820 Pro's, and (1) Stand alone Vidar SD-4430 Scanner w/stand and software.

The difference in the two bid options will be the number of computers (controllers) included. One will be included for the Vidar Scanner. But the KIP 3100 and the Canon IPF 820 do not require a computer next to the system operate or process print/scan jobs. Print jobs can be sent from any pc on the network to either system without another controller. The systems can also be monitored from any pc using a web-browser. But if it is necessary to have a pc beside the system, I have included a proposal to include the extra 11 computers.

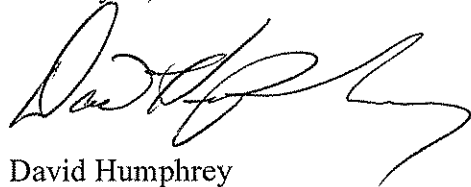
So please accept either proposal that meets the needs of the Division of Highways. I also included on the cost sheet, an extra line to show the 1st year maintenance that needed to be included.

Below are references that use the KIP's and Canon color inkjet's together as a complete system.

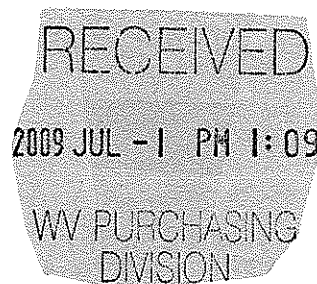
Community Steel
Denise Raczyk
716-854-5927

Avalon Document Services
JP Midgley
716-995-7777

Thank you,



David Humphrey
Contract Sales Manager





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: 5890004

PAGE: 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 MICHAEL AUSTIN
 304-558-2402

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

Komax Business Systems
 500 D St.
 So. Charleston, WV 25303
 304-744-7440
 Attn: David Humphrey

SHIP TO

DIVISION OF HIGHWAYS
 VARIOUS LOCALES AS INDICATED
 BY ORDER

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
05/26/2009				

BID OPENING DATE: 07/01/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	11	EA		938-31		
	ENGINEERING PRINTING SYSTEM					
0002	1	EA		205-41		
	WIDE FORMAT SCANNER					
					TOTAL BID	\$360,967.00
<p>TO PROVIDE ELEVEN (11) ENGINEERING PRINTING SYSTEMS AND ONE (1) WIDE FORMAT SCANNER THAT WILL INCLUDE INSTALLATION, MAINTENANCE AND TRAINING FOR THE WEST VIRGINIA DIVISION OF HIGHWAYS PER THE ATTACHED SPECIFICATIONS.</p> <p>THERE WILL BE A MANDATORY PRE-BID CONFERENCE AT THE PURCHASING DIVISION, BUILDING 15, CONFERENCE ROOM, AT 10:00 AM ON 06/18/2009. FAILURE TO ATTEND THE PRE-BID WILL RESULT IN BID DISQUALIFICATION.</p> <p>QUESTIONS: WRITTEN QUESTIONS WILL BE ACCEPTED THROUGH CLOSE OF BUSINESS (5:00 EST.) ON THURSDAY, 06/11/09. SEND YOUR QUESTIONS TO: PURCHASING DIVISION ATTENTION MICHAEL AUSTIN 2019 WASHINGTON ST. E. CHARLESTON, WV 25305</p> <p>QUESTIONS MAY BE SENT VIA FAX, EMAIL, OR REGULAR MAIL. E-MAIL: MICHAEL.D.AUSTIN@WV.GOV FAX: 304-558-4115</p> <p>IT IS THE VENDORS RESPONSIBILITY TO VERIFY THAT THEIR QUESTIONS HAVE BEEN RECEIVED BY CALLING 304-558-2402.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: 304-744-7440 DATE: 7-1-09

TITLE: Contract Manager FEIN: 55-0767809 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 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, 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, the State may deem this contract null and void, and terminate such contract 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 Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

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 case 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: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. 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
5890004

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF
MICHAEL AUSTIN
304-558-2402

A U T H O R I Z E D

RFQ COPY
 TYPE NAME/ADDRESS HERE

Komax Business Systems
500 D St.
So. Charleston, WV 25303
304-744-7440
Attn: David Humphrey

S T A M P

DIVISION OF HIGHWAYS
VARIOUS LOCALES AS INDICATED
BY ORDER

DATE PRINTED 05/26/2009	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
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BID OPENING DATE: **07/01/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: 5890004</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1 <i>[Signature]</i></p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>[Signature]</i>	TELEPHONE 304-744-7440	DATE 7-1-09	
TITLE Contract Manager	FEN 55-0767809	ADDRESS CHANGES TO BE NOTED ABOVE	

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



State of West Virginia
 Department of Administration
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 Charleston, WV 25305-0130

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3

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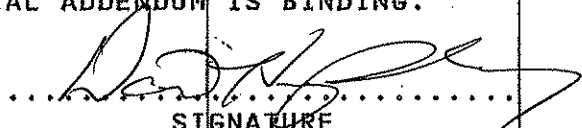
RFQ COPY
 TYPE NAME/ADDRESS HERE

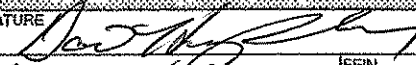
Komax Business Systems
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 Attn: David Humphrey

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DATE PRINTED 05/26/2009	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: right;">  SIGNATURE <i>KOMAX Business Systems</i> COMPANY <i>July 1, 2009</i> DATE </p> <p>REV. 11/96</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;"> DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 </p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE 	TELEPHONE 304-744-7440	DATE 7-1-09	
TITLE <i>Contract Manager</i>	FAX 55-0767809	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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

Request for Quotation

RFQ NUMBER
5890004

PAGE
4

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**MICHAEL AUSTIN
 304-558-2402**

RFQ COPY
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*Komax Business Systems
 500 D St.
 So. Charleston, WV 25303
 304-744-7440
 Attn: David Humphrey*

DIVISION OF HIGHWAYS
 VARIOUS LOCALES AS INDICATED
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BID OPENING DATE: **07/01/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UQP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID						
BUYER:				33		
RFQ. NO.:				5890004		
BID OPENING DATE:				7/1/2009		
BID OPENING TIME:				1:30 pm		
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-744-7450						
CONTACT PERSON (PLEASE PRINT CLEARLY): David Humphrey						
***** THIS IS THE END OF RFQ 5890004 ***** TOTAL:						360,967. ⁰⁰
						Alternate Bid 352,167. ⁰⁰

SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE <i>David Humphrey</i>	TELEPHONE 304-744-7440	DATE 7-1-09				
TITLE Contract Manager	FERN 35-0767809	ADDRESS CHANGES TO BE NOTED ABOVE				

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

1) General Intent:

The following specifications are for the acquisition, installation, and maintenance of eleven Engineering Printing Systems, and one wide format Scanner. These Engineering Printing Systems must be fully integrated systems which shall satisfactorily plot/print/scan/copy CADD Drawings, GIS Files, PDF documents, TIFF images, Maps, Charts, Graphs, and Text Documents. It is the intent to place one complete system in each of the ten WVDOT District Headquarters, one complete system at the Materials Division, and the one wide format Scanner is to be setup and installed at the WVDOT Headquarters Building

1.1) General Description of the Engineering Digital Printing System:

In brief, each printing system shall consist of (see Attachment 3):

- One color plotter that shall accommodate media up to 36 inches wide, and
- One toner based monochrome plotter that shall accommodate media up to 36 inches wide, and
- One scanner that shall accommodate media up to 36 inches wide, and the scanner shall be able to make color and monochrome scans and copies, and a
- Controller unit that shall be integrated with the color plotter, the monochrome plotter, and the scanner.
- All components shall be Bentley InterPlot compatible.
- One year of maintenance shall be included in the quoted price for each system.

1.2) General Description of the Scanner for the WVDOT Headquarters Building:

The Headquarters Building currently has an Engineering Digital Printing System in place; therefore, a full scale printing system is not required at this location. However, this location does need a wide format Scanner that can interface with the WVDOT computer network, can produce color and monochrome scans, and place the scan files on an FTP site or a Shared Drive for later retrieval and/or printing.

2) Specific Requirements for Each of the Major Components -- Digital Printing System.

2.1) Minimum Mandatory Specifications for the Color Plotter:

- Ability to produce Color and Monochrome prints.
- Ability to produce prints while the ink cartridges are being changed.
- Ability to produce prints while the media is being changed.
- Printer resolution of 600 dpi.
- Have at least three different Quality Modes (i.e., Low, Medium, and High).
- Allow the User to define the Quality Mode.
- Have the plotter automatically be able to change the quality mode as necessary to produce prints of high quality but that minimize ink usage.
- Produce one, color, "E" size print per 60 seconds.
- Produce one, Monochrome, "E" size drawing per 60 seconds.
- Be equipped with Two Rolls.
- Ability to switch rolls manually and/or automatically.
- Roll media widths from 11 inches to 36 inches.
- Print documents that are 8 inches to 120 inches long.
- Maximum roll length of 300 feet.
- Print to Bond, Vellum, and Mylar media.
- Ability to define what media is being used in each roll.
- Have the capability to cut prints to size according to the following options: a Standard size (i.e., ANSI or ARCHI); and/ or the size of the print; and/ or to a User defined size.

Engineering Printing Systems Specifications

- Use standard 120 VAC, 60Hz power.

2.2) Minimum Mandatory Specifications for the Monochrome Plotter:

- Printer resolution of 600 dpi.
- Ability to print ten linear feet per minute, or produce two "E" size Monochrome prints per minute in all print modes.
- Two Rolls of Media.
- Allow the User to select either Manual Feed or Roll Feed media.
- Roll media widths from 11 inches to 36 inches.
- Print documents that are 8 inches to 120 inches long.
- Roll length of up to 300 feet.
- Print to Bond, Vellum, and Mylar media.
- Ability to define what media is being used in each roll.
- Have the capability to cut prints to size according to the following options: a Standard size (i.e., ANSI or ARCH); and/ or the size of the print; and/ or to a User defined size.
- Use standard 120 VAC, 60Hz power.

2.3) Minimum Mandatory Scanner Specifications:

- Ability to properly interface with the WVDOT computer network.
- Ability to place scanned files on an FTP site or a Shared Drive of a server.
- Ability to produce Color or Monochrome scans.
- Produce scanned files in 'tiff' and 'pdf' format.
- Adjustable scanner resolution not exceeding 600 dpi.
- Scan documents that contain lines and text, blueprints, dark originals, photographs, or transparent documents.
- Scan documents 8 inches wide to 36 inches wide.
- Scan documents that are 8 inches to 120 inches long.
- Automatic exposure adjustment.
- Use standard 120 VAC, 60Hz power.
- **Note 1:** in the case of the ten WVDOT District Offices and the Materials Division, the Scanner shall be electronically connected to the Controller Unit (see paragraph 2.6) in order to electronically retrieve scanned documents and/or make copies of them.
- **Note 2:** in the case of the one Scanner which will be installed at the WVDOT Headquarters Building, the Scanner shall be electronically connected with the WVDOT computer network in order to retrieve scanned documents and/or make copies of them.

2.4) Minimum Mandatory Controller Specifications:

- Make copies (1 to 999) from a single scan.
- Make copies (1 to 999) from a scan set.
- Allow the User to define the input mode of documents to be copied (Single, Collated Set, or Multiple Sheets).
- Allow the User to define the Zoom setting (10% to 1000%) so that documents can be made larger or smaller as needed.
- Allow the User to define the Exposure setting so that documents can be made lighter or darker as needed.
- Provide an Invert option which allows the user to convert a scanned image to a negative image. For black and white images, the white pixels will be printed black and the black pixels will be printed white. For grayscale images, the image will be converted into its photographic negative.

Engineering Printing Systems Specifications

- Allow the User to define the Media to be used when making copies (Roll 1 or Roll 2).
- Produce image files (TIFF, PDF, and CALS formats) from scans.
- Support the following file formats: HPGL, HPGL2, HPRTL, TIFF 6.0, and PostScript.
- Produce prints while documents are being scanned.
- Automatically rotate documents when the scan width is larger than the media width.
- Automatically provide each scanned document with a unique name.
- Job Queuing.
- Electronically Collate Job Sets.
- Have a Bentley InterPlot Driver available.
- Print Management Tools.
- Document Submission Tools.
- Document Retrieval Tools.
- Ethernet Interface 100/10 Mbits/s with RJ45 Connection.
- Must be able to simultaneously Print, Copy, and Scan.
- Support the TCP/IP FTP, and Novell (IPX/SPX) Network Protocols.
- Provide Automatic Roll Selection and Roll Switching.

3) Other Requirements:

3.1) Start up supplies shall be provided and included in the quote, for each of the eleven (11) systems:

- Provide one box of toner for each Monochrome Plotter.
- Provide one box of color cartridges for each Color Plotter.
- Provide one roll of paper media (150' x 34") for the Monochrome Plotter.
- Provide one roll of paper media (150' x 34") for the Color Plotter.
- Provide one copy of the User Manual and other product documentation, either printed or pdf format is acceptable.
- **Note:** Since a complete system will not be installed at the Headquarters Building, that location does not require media, toner, or cartridges; however, this location shall require a copy of the User Manual and other product documentation for the Scanner which will be installed there. Additionally this location will require a copy of the Digital Engineering Printing System User Manual and other product documentation.

3.2) Training:

- Onsite training on the use of the new equipment shall be provided and included in the quote as further described, for: each District Office location, at the Materials Division Office, and at the Headquarters Building.
- A minimum of two (2) hours training shall be provided at each location.
- Training shall include showing the users how the new equipment is used.
- Training shall include showing the users how to load and change media.
- Training shall include showing the users how to load toner in the Monochrome Plotter.
- Training shall include showing the users how to install the ink cartridges in the Color Plotter.
- **Note:** Since a complete system will not be installed at the Headquarters Building, that location does not require training in changing media and ink cartridges; however, user training for the Scanner unit installed at that location shall be required.

Engineering Printing Systems Specifications

3.3) Maintenance Requirements – Mandatory:

- Vendors' quotes shall include Onsite maintenance of all components.
- A maximum four (4) hour call back response to the initial reported problem.
- One (1) business day onsite response time shall be required – calculated from time of initial reported problem.
- One (1) year of maintenance – calculated from the completion of the Training Date at each location for each system shall be included in the equipment system quotes.
- Each vendor shall provide additional quotes (separate from the equipment quotes) for four (4) consecutive maintenance renewal options. Maintenance quotes for Years' Two thru Years' Five shall be quoted separately- by year. These renewal maintenance quotes shall be based on the same maintenance requirements as defined in this RFQ. All maintenance expenses are to be invoiced in arrears.
- Maintenance shall include Preventive Maintenance calls as required to maintain the equipment components within the manufacturer's original specifications.
- Maintenance shall include replacement parts, including drums at no additional expense.
- Maintenance shall include travel and other related expenses incurred during maintenance calls.
- All replacement parts shall be made with Original Equipment Manufacturer (OEM) Parts.

3.4) Installation Requirements – each system:

- All systems described in this RFQ shall be delivered, installed, set-up, tested, and fully functional within forty-five (45) days of vendor receiving an approved order.
- All components shall be delivered freight prepaid to each of the twelve (12) locations specified on Attachment 2.
- The vendor shall provide a minimum two (2) day notice of all equipment deliveries.
- The vendor shall be responsible for equipment installation, set-up, and removal/disposal of all packing materials.
- The vendor shall have the option of removing trade-in equipment or not taking possession of it.
- The vendor shall register all equipment components with the manufacturer so that the owner and user of the equipment are listed as WVDOT.
- Upon payment in whole, all rights, title, and interest to the equipment components shall transfer to the WVDOT.

4) Award process:

The award for the Digital Engineering Printing Systems RFQ shall be made to the vendor that provides a solution which features a Color Plotter, a Monochrome Plotter, a Scanner capable of producing both Color and Monochrome Scans, and a Controller Unit that electronically links all of the various components and meets all the mandatory requirements of this RFQ at the least expense to the WVDOT.

- Vendors should include with each quote, a statement which lists successful implementation of the same (as proposed/quoted) equipment components in an integrated environment of North American Engineering application(s). Contact name(s) (associated with the engineering entity) and telephone number(s) should also be provided.
- Vendors must include in their proposal/bid, a Trade-In Quote for the currently used Xerox 8825 Scanner/Plotter (10) units as listed on Attachment 2.

Engineering Printing Systems Specifications

Attachment 1: Bid/Quote Sheet

See Revised Quote Sheets

Back Pages

11 Monochrome Plotters.....UNIT PRICE_____ EXTENDED PRICE_____

11 Color Plotters.....UNIT PRICE_____ EXTENDED PRICE_____

12 Scanners.....UNIT PRICE_____ EXTENDED PRICE_____

11 Controllers.....UNIT PRICE_____ EXTENDED PRICE_____

Equipment Sub Total.....

MAINTENANCE QUOTES YEARS 2 thru YEARS 5:

Year 2 Maintenance Cost_____ Year 3 Maintenance Cost_____

Year 4 Maintenance Cost_____ Year 5 Maintenance Cost_____

Years 2 thru 5 Maintenance Sub Total.....

Equipment/Maintenance Total.....

Lump Sum Trade-In Discount

FINAL Quote Total.....

Statement regarding successful implementation of quoted components in an integrated environment of Engineering application in North America. Also provide contact name(s) and telephone number(s) associated with the engineering application of the quoted components.

Engineering Printing Systems Specifications

Attachment 2: Delivery, Installation, Setup, and Training Locations -

District 1
1334 Smith Street
Charleston, WV 25301-1492
District Manager
John McBrayer
(304)558-3001
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9031090

District 2
801 Madison Avenue
Huntington, WV 25712-0880
District Manager
Keith Chapman
(304)528-5625
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9031269

District 3
624 Depot Street
Parkersburg, WV 26102-0308
District Engineer
James E. Roten, Jr.
(304)420-4645
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9031273

District 4
I-79 & Meadowbrook Road (Exit 121)
Clarksburg, WV 26302-2570
District Manager
Greg Phillips
(304)842-1550
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9030880

District 5
P. O. Box 99 (US Route 50)
Burlington, WV 26710
District Engineer
Lee Thorne
(304)289-2200
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9031065

District 6
1 DOT Drive
Moundsville, WV 26041
District Engineer
Robert W. Whipp
(304)843-4008
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9031070

Engineering Printing Systems Specifications

11

Attachment 2: Delivery, Installation, Setup, and Training Locations -

District 7
255 Depot Street
Weston, WV 26452-1228
Highway District Manager
Ron Hooton
304-269-0414
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9030950

District 8
US Route 219 North
P.O. Box 1516
Elkins, WV 26241
District Engineer
Mike Moran
(304)637-0220
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9031021

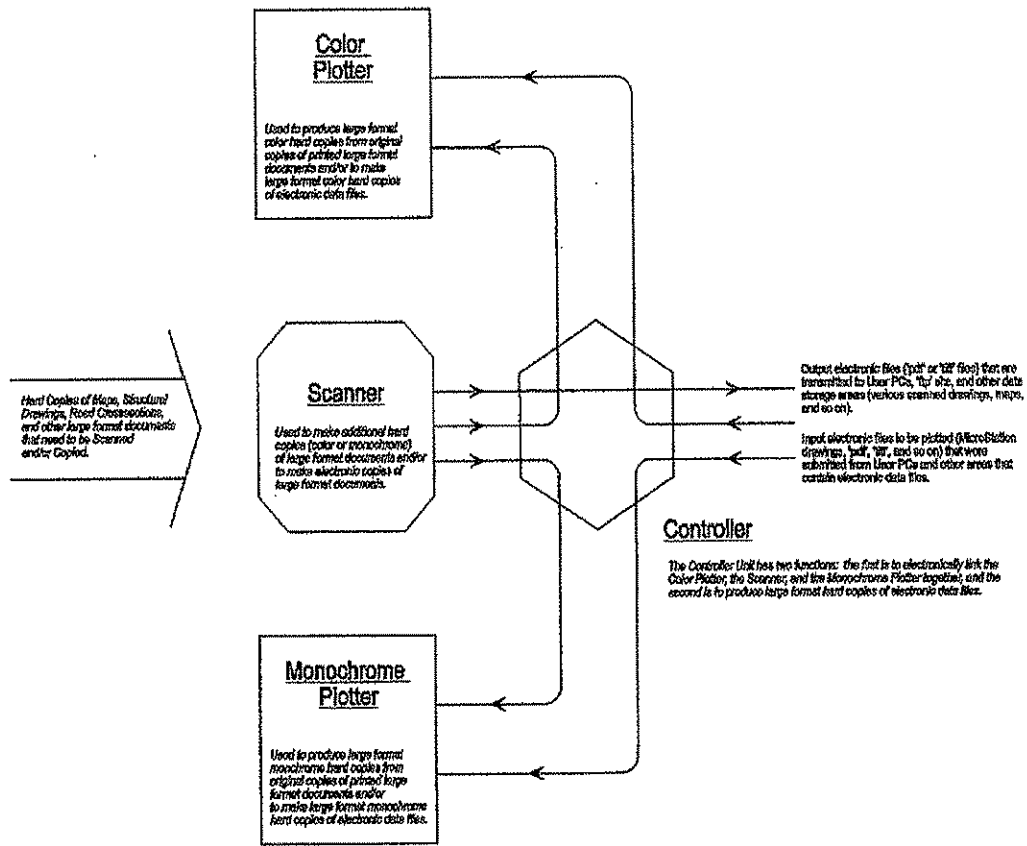
District 9
103 1/2 Church Street
Lewisburg, WV 24901
District Engineer
Steven Cole
(304)647-7450
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9031255

District 10
270 Hardwood Lane
Princeton, WV 24740
District Manager
Tom Camden
(304)487-5228
Xerox 8825 Plotter/Scanner currently in use at this location,
Serial Number: DT9031178

Materials Division
190 Dry Branch Road
Charleston, WV 25306
Division Director
Aaron Gillespie
(304)558-3160
Removal and/or Trade-in of old equipment is not required at this location.

WVDOT Headquarters
1900 Kanawha Blvd, East
Charleston, WV 25305
Information Services Director
Joe Biancanello
(304)558-9241
Removal and/or Trade-in of old equipment is not required at this location.

Attachment 3: Diagram of the Engineering Printing System –



Engineering Printing Systems Specifications

Attachment 1: Bid/Quote Sheet
Rev. 6/23/09

11 Monochrome Plotters.....	UNIT PRICE	\$14,300.00	EXTENDED PRICE	\$ 157,300.00
11 Color Plotters.....	UNIT PRICE	\$7,250.00	EXTENDED PRICE	\$ 79,750.00
11 Scanners.....	UNIT PRICE	<i>Inc. on Kip 3100</i>	EXTENDED PRICE	<i>Inc. on Kip 3100</i>
1 W/F Scanner w/stand.....	UNIT PRICE	\$7,110.00	EXTENDED PRICE	\$ 7,110.00
12 Controllers.....	UNIT PRICE	\$700.00	EXTENDED PRICE	\$ 8,400.00
			<i>Included 1st Year MA</i>	\$ 11,100.00
Equipment Sub Total.....				\$263,660.00

MAINTENANCE QUOTES YEARS 2 thru YEARS 5:

Year 2 Maintenance Cost	\$24,075.00	Year 3 Maintenance Cost	\$25,244.00	
Year 4 Maintenance Cost	\$25,244.00	Year 5 Maintenance Cost	\$25,244.00	
Years 2 thru 5 Maintenance Sub Total.....				\$99,807.00
Equipment/Maintenance Total.....				\$363,467.00
Lump Sum Trade-In Discount				\$2,500.00 (\$250.00/unit)
FINAL Quote Total.....				\$360,967.00

Statement regarding successful implementation of quoted components in an integrated environment of Engineering application in North America. Also provide contact name(s) and telephone number(s) associated with the engineering application of the quoted components.

Engineering Printing Systems Specifications

Attachment 1: Bid/Quote Sheet
Rev. 6/23/09

(Alternate bid without 11 computers)

11 Monochrome Plotters.....	UNIT PRICE	\$14,300.00	EXTENDED PRICE	\$157,300.00
11 Color Plotters.....	UNIT PRICE	\$7,250.00	EXTENDED PRICE	\$ 79,750.00
11 Scanners.....	UNIT PRICE	<i>Inc. on Kip 3100</i>	EXTENDED PRICE	<i>Inc. on Kip 3100</i>
1 W/F Scanner w/stand.....	UNIT PRICE	\$7,110.00	EXTENDED PRICE	\$ 7,110.00
1 Controller <small>for stand-alone scanner</small>	UNIT PRICE	\$700.00	EXTENDED PRICE	\$ 700.00
Equipment Sub Total.....				\$ 10,000.00 \$254,860.00

MAINTENANCE QUOTES YEARS 2 thru YEARS 5:

Year 2 Maintenance Cost	\$24,075.00	Year 3 Maintenance Cost	\$25,244.00	
Year 4 Maintenance Cost	\$25,244.00	Year 5 Maintenance Cost	\$25,244.00	
Years 2 thru 5 Maintenance Sub Total.....				\$99,807.00
Equipment/Maintenance Total.....				\$354,667.00
Lump Sum Trade-In Discount				\$2,500.00 (\$250.00/unit)
FINAL Quote Total.....				\$352,167.00

Statement regarding successful implementation of quoted components in an integrated environment of Engineering application in North America. Also provide contact name(s) and telephone number(s) associated with the engineering application of the quoted components.

KIP America
39575 13 Mile Road
Novi, MI 48377

Tel: (800) 252-6793
Fax: (800) 672-1400
www.kipamerica.com

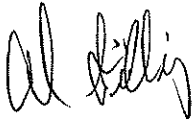
KIP

July 1, 2009

To Whom It May Concern:

Komax Business Systems, 500 D Street, South Charleston, WV is the only authorized KIP Sales & Service dealer in the state of West Virginia. Please let me know if you have any questions.

Best Regards,



Al Gillis

Regional Sales Manager

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. Application is made for 2.5% resident vendor preference for the reason checked:
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. Application is made for 2.5% resident vendor preference for the reason checked:
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. Application is made for 2.5% resident vendor preference for the reason checked:
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. Application is made for 5% resident vendor preference for the reason checked:
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Komax Business Systems - David Humphrey

Signed: 

Date: July 1, 2009

Title: State Contract Specialist

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: 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 owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

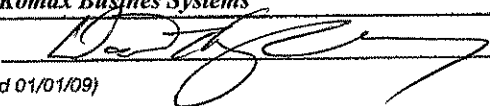
LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

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. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: Komax Business SystemsAuthorized Signature: Date: 7/1/2009



KIP 3100 SERIES SYSTEMS

THE KIP 3100 IS A POWERFUL NEW DIGITAL COPY, PRINT & SCAN SYSTEM DESIGNED TO PROVIDE HIGH PRODUCTIVITY AND SUPERIOR IMAGE QUALITY AT SIGNIFICANTLY REDUCED OPERATIONAL EXPENSE. COPIES, PRINTS OR SCANS – KIP 3100 IMAGE QUALITY MAKES WIDE FORMAT TECHNICAL COMMUNICATIONS CLEAR AND EFFECTIVE.

KIP 3100 Copy System

The KIP 3100 mono/color copy system accurately reproduces technical documents at true 600 x 600 dpi resolution. Monochrome copies may be delivered to the integrated front stacker or directed to a range of rear print stacking systems. Media capacity consists of one or two roll drawers, plus a manual bypass for producing single copies onto single sheets. Color copies are produced via integration with a wide range of inkjet printers.

KIP 3100 Copy System Features:

- Touch screen operator panel provides one-touch access to all copying features
- Produce collated sets of an unlimited number of monochrome originals
- Real time preview provides operators with instant copy quality assurance
- Full integration with a wide range of inkjet printers
- Automatic quality presets ensure top quality copies and scans with minimal operator effort
- Unique KIP closed loop color calibration system ensures maximum color copy accuracy

KIP 3100 Print System

The KIP 3100 network printer is designed to provide a combination of peak demand productivity and superior print quality. The system efficiently produces documents sent via application drivers, network PCs or over the internet. The KIP 3100 meets stringent decentralized printing demands with environmentally conscious design elements.

KIP 3100 Print System Features:

- Produces 6 'D', A1 size prints or copies per minute
- Small dot size and high print resolution provides exceptional print quality, high definition lines, distinctive grayscales and consistent solid areas.
- 100% Toner Efficient - No waste toner or conventional cleaning systems result in lower toner consumption.
- High Density Black Toner - Solid black images with low toner profile provide sharp print contrast.



RoHS
Compliant





KIP 3100 Scan System

The integrated KIP 3100 monochrome and color scanner utilizes advanced document transport and imaging technologies to create accurate, high quality digital files. The scanner effectively captures a 36" wide image area, making it ideal for the monochrome technical drawings as well as full color graphic renderings, maps and photos. The KIP 3100 scan system is specifically designed to provide all imaging functions from a single footprint system for maximum productivity with minimal impact on work space.

KIP 3100 Scan System Features: ■ KIP 3100 delivers production scanning speeds up to 7.6" per second ■ Scanned images are saved to network location, FTP site or personal/project inbox ■ Scan to a variety of file formats including single or multi-page PDF & DWF ■ Fully integrated system design eliminates the need for additional PCs ■ Color scan speed up to 2.6" per second ■ Scan to network location as TIF, PDF or Email-ready JPEG

IPS Operator Panel

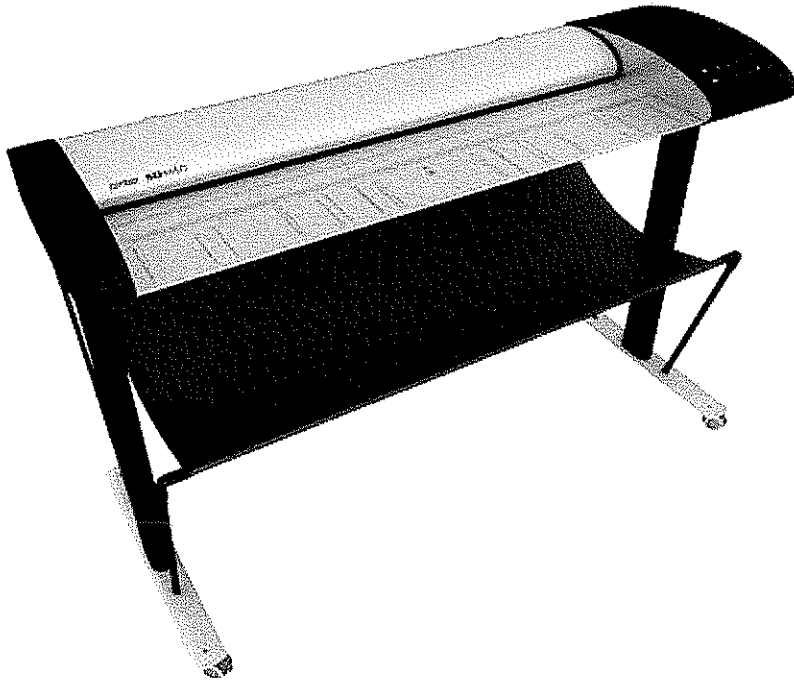
The KIP 3100 touch screen interface has been designed to provide decentralized print environments with a powerful combination of versatility and ease-of-use. Each function of the KIP 3100 is accessible at a touch, with dedicated application screens that provide operator authorization and controls for digital system functions.

IPS Software Suite

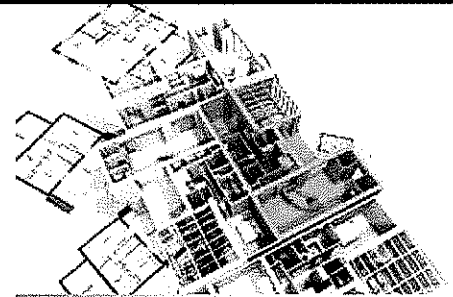
Fast and flexible, the KIP IPS software suite streamlines production print work, saves time and increases productivity.

From web-based viewing and printing of documents in a wide range of formats, to PC job submission and application drivers, KIP IPS software is a complete wide format document solution.

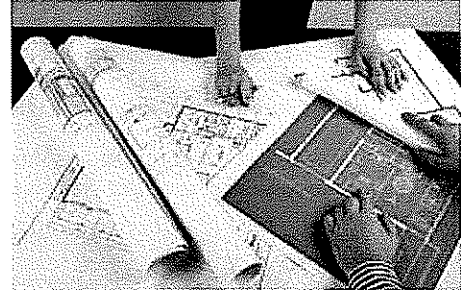
***Authorized Sales & Service
Komax Business Systems
500 D St
So. Charleston, WV 25303
304-744-7440
888-483-7440***



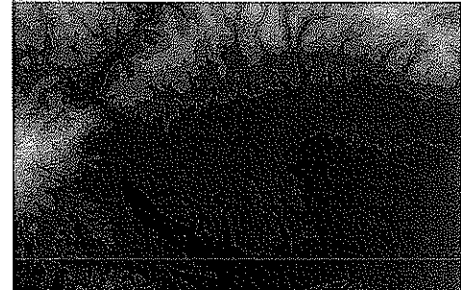
BERTL
OUTSTANDING
★★★★★



Architects - Engineers - Contractors



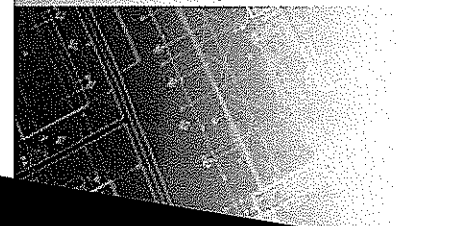
Technical Documents - Infrastructure



Geographic Information Systems



Government - Municipalities



Contex **SD4400**

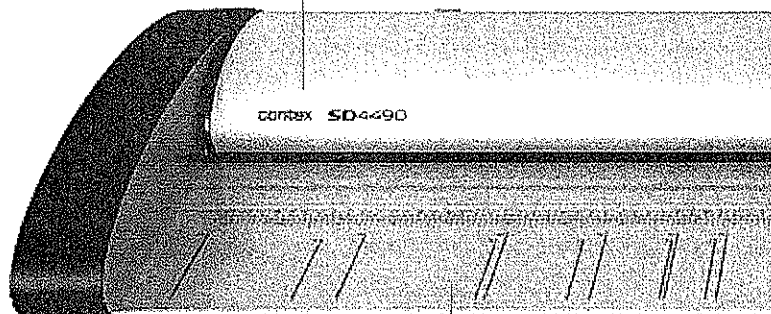
SD large format scanners give companies an easy and affordable way to save time on in-house scanning activities. You get exceptional professional-grade performance with true 1200dpi optical resolution with speeds of up to 10 inch/second. The Contex SD4400 series is designed for high-volume productivity for businesses-critical imaging tasks. Whether you are a private business or government, Contex's range of SD4400 scanners is the right solution for improved efficiency and productivity. The 44" imaging area is designed to produce clean, sharp image quality on technical documents, sketches, and maps. Fast, simple image clean-up on old, faded, or poorly shaded documents, and safe handling of sensitive originals with no data loss in capture. Expand your business opportunities with Contex's versatile SD4400 scanners.

See more at www.contex.com

Features

- 1200dpi optical resolution, standard
- All-Wheel-Drive (AWD) for a perfect grip on your documents
- Exceptional Productivity, scanning up to 336 D-size color documents per hour (324 A1/hour)
- See what you scan with face-up scanning
- Scan-to-Net function for scanner sharing across a network, and sending files to remote PCs
- ENERGY STAR compliant, using less than 5W in standby

Lightweight scanner in a sleek and modern design making transport and setup an easy task.



Experience the competitive edge with true 1200dpi optical resolution and fast USB2 with xDTR.

Value for Money

Contex makes it easy to scan technical documents, maps and drawings. The SD4400 series is built to withstand high-volume use on daily basis and is available in a sleek and lightweight design. With SD4400 you get a total scanning solution with leading-edge software that fits with your existing tools and business processes.

Ease of Use and Productivity

Instant-on scanning and one-touch interface saves time in loading and scanning large documents. Nextimage software and WIDEsystem drivers make scanning to file, to print, or to the network fast and simple. Intuitive software makes the scanner easy to use and maintain.

SPECIFICATIONS

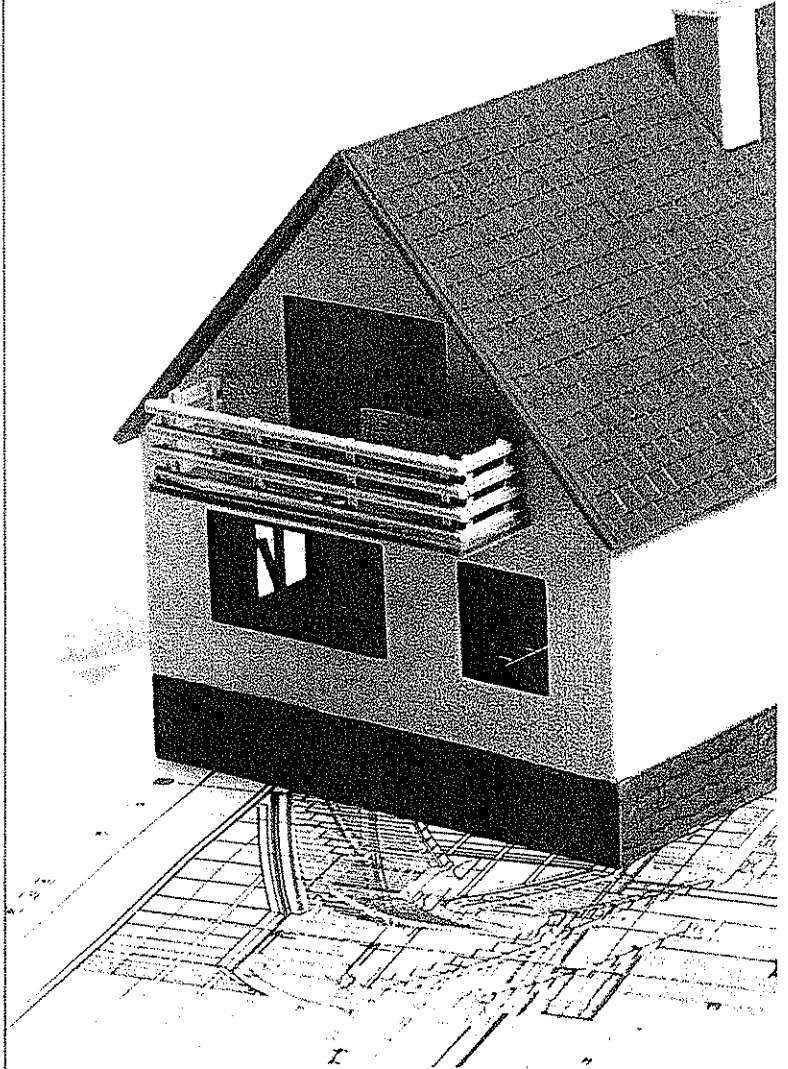
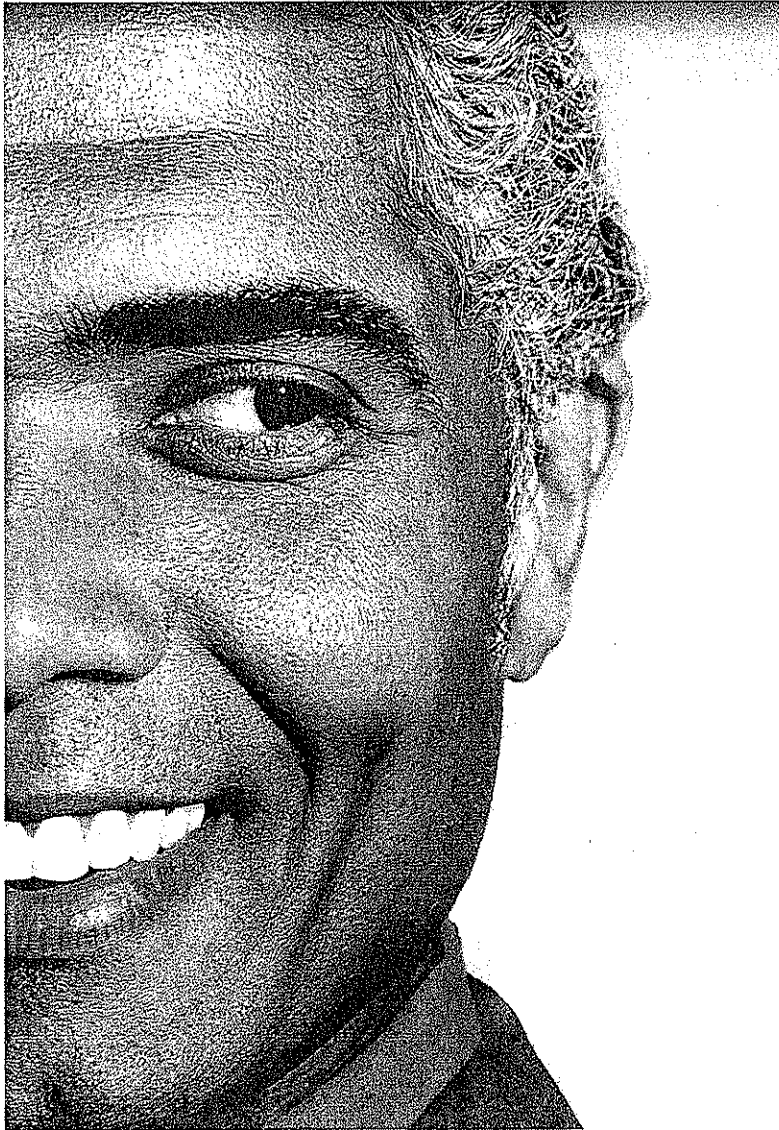
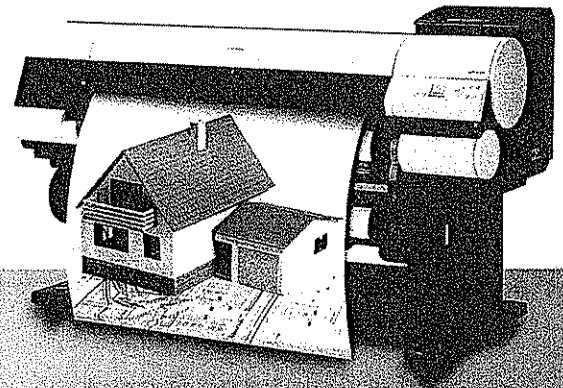
	Contex SD4410	Contex SD4430	Contex SD4450	Contex SD4490
Optical Resolution	1200dpi	1200dpi	1200dpi	1200dpi
Maximum Resolution	9600dpi	9600dpi	9600dpi	9600dpi
Maximum Scan Width	44in. (1118 mm)	44in. (1118 mm)	44in. (1118 mm)	44in. (1118 mm)
Maximum Media Width	47in. (1194 mm)	47in. (1194 mm)	47in. (1194 mm)	47in. (1194 mm)
Maximum Media Thickness (flexible documents only)	0.08-inch (2 mm)	0.08-inch (2 mm)	0.08-inch (2 mm)	0.08-inch (2 mm)
Accuracy	± 0.1%	± 0.1%	± 0.1%	± 0.1%
Data Capture (color/mono)	n/a /16-bit	48-bit/16-bit	48-bit/16-bit	48-bit/16-bit
Color Space	-	sRGB	sRGB	sRGB
SCANNING SPEED* (inches/sec.): Scanner speed while scanning 36-inch wide document.				
400dpi (Turbo) RGB Color	-	1.0	1.5	3.0
400dpi (Turbo) Index Color	-	1.0	1.5	3.0
400dpi (Turbo) Grayscale/Monochrome	10.0	5.0	10.0	10.0
PRODUCTIVITY** (documents/hour): Batch scanning for 60 minutes. Includes paper load and eject time. Measured in completed scans.				
D-size, RGB Color, 200dpi	-	136	198	336
D-size, Monochrome, 200dpi	780	516	780	780
A1-size, RGB Color, 200dpi	-	132	192	324
A1-size, Monochrome, 200dpi	744	492	744	744
INTERFACE :				
High Speed USB 2.0 with xDTR	✓	✓	✓	✓
Power Requirements	110V / 220V / 240V, 60/50 Hz			
Power, Operational	44 W			
Power, Sleep Mode	less than 3W (ENERGY STAR compliant)			
Weight & Dimensions WxDxH	30 kg / 60" x 19" x 6.3" inches (1525x480x161 mm)			
Device Drivers	32 and 64-bit: Windows XP, Server 2003, and Vista			
Certifications	ENERGY STAR, RoHS, UL, CE, GOST-R, CCC			

*Scanning speeds depend on document width and computer configuration. For best performance, Contex recommends Intel Core Duo, Core 2 Duo, or better processors, 2GB RAM, Hi-speed USB2
**Scanning speed tests performed using Nextimage software, PC with Intel Core 2 Quad processor, 3GB RAM, Hi-speed USB2, 7200rpm SATA hard drive, Windows XP Professional.

Canon

imagePROGRAF®
iPF820/810

iPF820/810



Productivity – Maximized

The new imagePROGRAF iPF820/810 printers are single-solution systems built to satisfy the full range of large-format technical document printing requirements professionals encounter every day.

DUAL MEDIA ROLLS

Equipped with dual media rolls, the iPF820 printer eliminates the cause of many bottlenecks in busy printing environments. It can automatically switch between different size and types of media or print on the same media to enable fast, consecutive printing of jobs submitted by multiple users.

VERSATILE OUTPUT UP TO 44"-WIDE

Print what you need, when you need it. With the auto rotation and nesting functionality on HP-GL/2 files, the iPF820/810 printers not only maximize throughput, but they also help save on media consumption and per-print costs.

AUTOMATIC BLACK INK SELECTION

Based on the type of media being used, the printer will automatically select the right type of black ink for best results: pigment Matte Black for uncoated and technical papers or dye Black for coated and glossy media.

BORDERLESS PRINTING

Print from edge-to-edge.* Output can be ready to use without additional trimming and finishing when utilizing the borderless printing option.

SELF-PROPELLED CUTTER

The double rotary blade cutter is driven separately from the print-head carriage so that cutting can start immediately after printing is finished. The result is faster, continuous throughput.

PRINT LONGER WITHOUT INTERRUPTION

Canon's unique sub-ink tank system means you can replace ink on-the-fly, without stopping the printer. Choose the extra large 700ml ink tanks for even greater productivity.

MEDIA DETECTION SYSTEM

The automatic media detection and management system keeps track of paper usage and warns the user if there's not enough media to complete a print task.

HIGH-CAPACITY MEDIA BASKET

For long print runs, a high-capacity media basket comes standard on both the iPF820 and iPF810 printers.

*Up to 42" wide

Print speed is critical when you need to keep projects moving forward and meet tight deadlines. That's why the imagePROGRAF iPF820/810 printers are built for high-speed production of complex schematics, drawings, maps, and presentations.

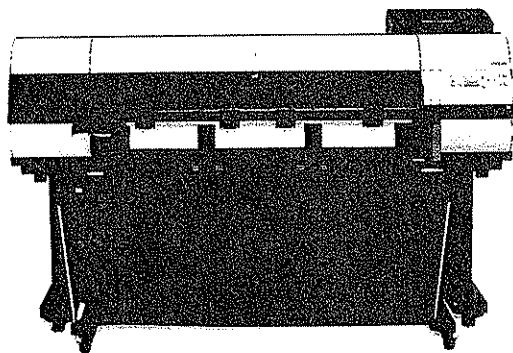
Canon's advanced system architecture achieves print speeds of up to 688 ft.²/hr. on plain papers. Or print a full-color, 2400 x 1200 dpi high-resolution, A0-sized image (10.76 ft.²) with full graphic coverage on heavyweight coated media in only three minutes.*

A large 1.07", super-high-density print-head with 15,360 nozzles and a double set of Matte Black ink channels ejects minuscule 4pl droplets of ink across a wide swath of media. The result is consistently accurate, 2400 x 1200 dpi output with fine lines that are accurate to +/- 0.10% and as thin as 0.02mm.

Print complex schematics with super-clear small text fonts and crisp lines over color backgrounds, even on uncoated technical papers. This unique, wide-color-gamut ink set features four colorfast dye inks and a pigment Matte Black ink that are chemically engineered to prevent excessive "bleeding" so text and lines are always sharp and legible.



* Mechanical print time does not include data transfer time. Print time is measured for 60 consecutive minutes (including head cleaning and cutting time), printing multiple copies using Canon Printer Driver with Plain Paper setting at Draft (full-density) Mode.



iPF810



iPF820

MAXIMUM PRODUCTIVITY

- Print two D-sized prints per minute or 120 D-sized prints per hour, in color or monochrome
- The iPF820 is equipped to automatically switch between its dual media rolls to enable fast, consecutive printing of different media types and sizes
- Send large sets of files from multiple workstations to a built-in 80GB hard drive
- Economy Print Mode allows for lower cost of operation
- High-density print-head with 15,360 nozzles provides high-speed, accurate results
- Self-propelled cutter can start cutting immediately after printing is finished for fast throughput time of multipage documents
- Sub-ink tank system allows for changing ink without interrupting a print job

VERSATILITY

- Direct printing support for HP-GL/2 and HP RTL
- The enhanced HDI Driver enables direct printing from AutoCAD® and AutoCAD LT
- Convenient media feed options for everyday use
- Intuitive printer driver UI enables easy selection of automatic roll switching functionality

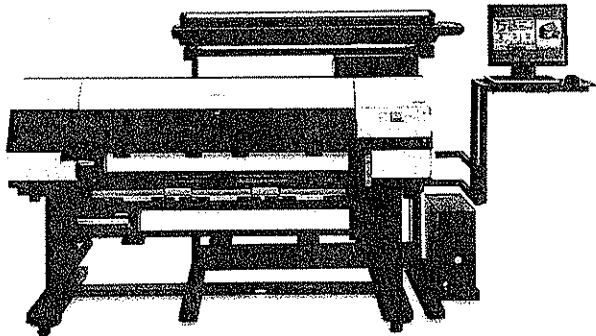
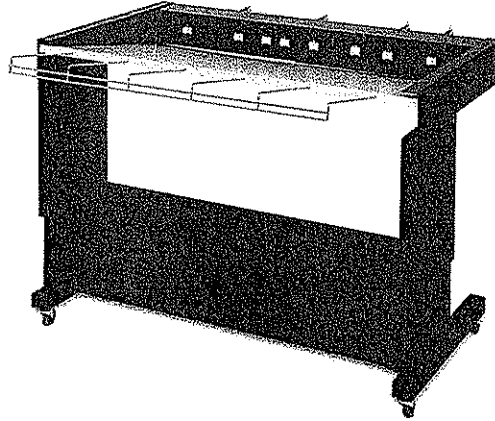
HIGH-QUALITY PRINTING

- High-resolution output up to 2400 x 1200 dpi
- Print fine 0.02mm thick lines with tiny 4-picoliter ink droplets
- Precise +0.1% line accuracy
- Unique five-color dye/pigment Reactive Ink technology optimizes imaging

MULTIFUNCTION SOLUTIONS TO FIT YOUR WORKFLOW

HIGH-CAPACITY PLAIN PAPER STACKER

- Optional stacker provides a flat surface to off-load prints, eliminating the need for operator handling
- Built for high productivity
- Stacker automatically picks up plain paper documents of mixed sizes and stacks them up to 300 sheets

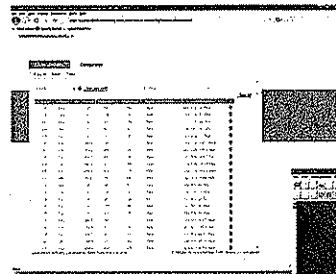


LARGE-FORMAT SCANNER

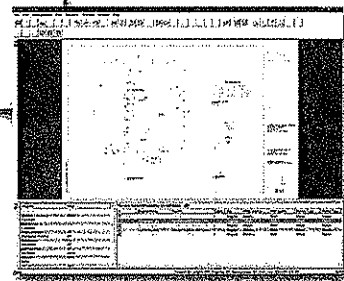
- Optional large-format scanner provides a powerful scan-to-copy/archive/e-mail integrated workflow solution
- Fast and effective large-format capture-to-output functionality

CAD|STATION PS+ SOFTWARE (PRO Models Only)

- A full-color RIP with true Adobe PostScript processing, advanced job management features, and accounting functionality
- Web submission tools drag-and-drop hot folders, and client/server workflow features for significant increase in productivity



Cost Accounting Configuration



General View of Interface

Operations — Optimized

Canon designed the large-format imagePROGRAF iPF820/810 printers to make producing technical documents faster, easier, and more efficient. To help you optimize daily operations, the enhanced features contribute directly to overall performance and simplified end-user tasks.

80GB HARD DRIVE CAPACITY

Waiting for large files to print can slow down an entire workgroup. That's where an 80GB hard drive makes all the difference. Now multiple users can organize and manage their print jobs easily via the system's remote user interface with up to 29 password-protected mail boxes. Once a large data file is sent, the printer stores it in the queue, freeing workstations for the next project. The large hard drive capacity means workgroups can be extra productive.

ENHANCED REMOTE USER INTERFACE

The enhanced Remote User Interface includes password-protected mail boxes to help organize and manage print jobs from multiple users, so medium- to large-size workgroups can share the printer more efficiently.

ENHANCED SETTINGS

Intuitive operation with easy and advanced settings for both Windows and Macintosh users.

FILE ASSEMBLY

Assemble charts, tables, text documents, and graphics of different file formats onto a single page, and print them together to create high-impact posters and presentations.

SCAN-TO-PRINT ENHANCEMENTS

Making enlargements is as easy as making copies when an imagePROGRAF large-format printer is seamlessly integrated with a Canon imageRUNNER® or imagePRESS™ multifunction system with Universal Send.

REAL-TIME PREVIEW FUNCTION

Avoid unnecessary errors and reprints with this real-time preview function that enables users to modify settings, even after clicking "Print."

COLOR EMULATION

The color emulation function helps these imagePROGRAF printers to approximate the colors produced by other legacy large-format ink-jet printers.

ENHANCED HPD DRIVER

Print HP-GL/2 and HP-RTL files directly from CAD applications, including AutoCAD and AutoCAD LT via Canon's enhanced HDI Driver. This high-speed HDI driver saves users time and improves workgroup efficiencies.

DATA DELETION SECURITY

The 80GB hard drive supports multiple methods of data erasure and document security, ranging from a quick and easy option that simply removes file system information to a triple overwrite of the hard drive that conforms to the DoD 52220-22-M standard of the U.S. Department of Defense.

Costs – Minimized

In addition to the low initial acquisition cost of these printers, a number of important features minimize ink consumption, media waste, and maintenance costs to contribute to a significantly reduced total cost of operations while still producing technical documents of the highest quality.

- **Economy Print Mode lowers the cost per print:** Significantly reduce ink consumption and lower total printing costs by selecting Economy Print Mode when printing drafts and check plots.
- **Durable print-head reduces maintenance costs:** Canon's unique high-density print-head ejects fine droplets of ink with remarkable efficiency and accuracy. With 15,360 nozzles, there's less wear and tear on each individual nozzle, increasing the life of the print-head.
- **Large-Capacity Ink Tanks:** Large 330ml or 700ml ink tank helps lower total cost of ownership overtime while increasing your productivity.
- **Minimize media waste:** Canon's auto rotation and nesting feature with HP-GL/2 files helps you take full advantage of the printer's 44"-wide media capacity.

- **Ink technology improves print durability:**

Chemically engineered for improved durability and adhesion, Canon's unique five-color Reactive Ink technology can actually extend the life of your full-color maps, schematics, and construction plans. Even with the stress of constant handling, writing, and display, ink stays put, so you won't need to spend time and money reprinting large-format documents.

- **Energy Savings:** Engineered for efficiency and reliability, these ENERGY STAR® qualified printers draw only 190 watts of power during use.



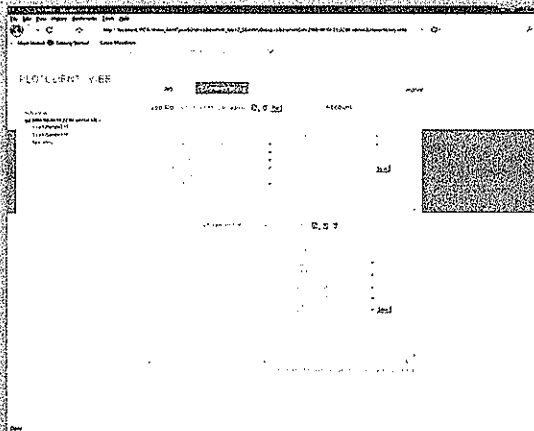
System Solutions - Simplified

Complete Production Printing Solutions

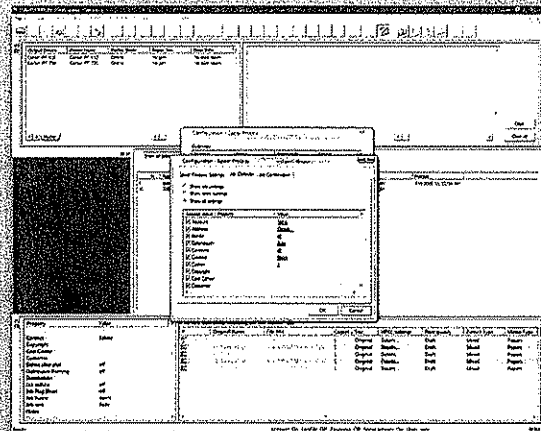
Choose either the iPF820 PRO or iPF810 PRO printer to further enhance your operations with a complete production printing solution that includes CAD|STATION PS+, a True Adobe PS color RIP, with advanced job management and accounting functionality. CAD|STATION PS+ has a client/server architecture with the ability to set up an unlimited number of clients, giving these PRO model printers greater functionality. They also simplify batch printing procedures, relieve the image processing burden from end-user workstations for faster job throughput, and include advanced accounting and job-cost tracking functions.

- With the PRO model printers, you can print directly from Windows or AutoCAD HDI drivers.
- Printing of industry-specific file formats: HP-GL/2, HP RTL, CGM, CALS, AutoCAD, DWF, DXF, and DWG as well as PS, EPS, PDF, TIFF, BMP and others.
- This tool set provides additional controls over output options and helps manage batch printing more efficiently.
- The color RIP includes profiles for a wide variety of media along with color calibration tools.
- Accounting functions track output activity and record details such as project, customer, or cost center information to simplify invoicing and project cost accounting.
- Web-based job submission

CAD|STATION PS+



Submitting Jobs via Web Client



Job Configuration

These highly versatile printers can also be configured with additional options to fully optimize your productivity from input to output.

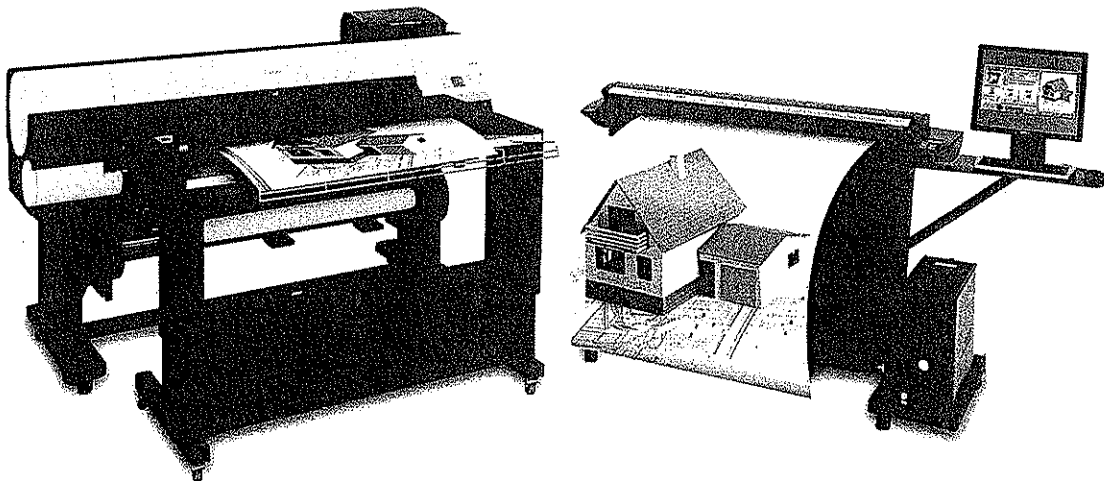
HIGH-CAPACITY STACKER

Add an optional high-capacity plain paper stacker for even greater efficiency. The stacker provides a sturdy flat surface to off-load plain paper prints and eliminates the need for operator handling. Multiple workstations can send jobs to the printer unattended and retrieve them later, without hampering the stacker's capacity.

- Automatically picks up documents and stacks them up to 300 sheets (plain paper)
- User-installable
- Stacker tray holds mixed output sizes

HIGH-SPEED, HIGH-RESOLUTION LARGE-FORMAT SCANNING

Need to archive, reproduce, or distribute large-format documents and presentations from hard-copy originals? Add a compatible high-speed, high-quality large-format scanner to your imagePROGRAF printer to create a complete multifunction, scan-to-copy solution.



iPF820/810

 **imagePROGRAF®**
iPF820/810

Print-Head
PF-03

Technology
FINE (Photolithography Ink-jet Nozzle Engineering)

Print Resolution (Max.)
2400 x 1200 dpi

Line Accuracy*
±0.1% or Less

Minimum Line Weight**
0.02mm

Number of Nozzles
Matte Black: 5,120 Nozzles
Other Colors: 2,560 Nozzles per Color

Droplet Size
4 Picoliter

Nozzle Pitch (Head Resolution)
1200 dpi x Two Rows

Print-Head Swath
1.07 inch

Ink Type
Dye: Cyan (C), Magenta (M), Yellow (Y), Black (K)
Pigment: Matte Black (MBK)

Ink Tank
Shipped with Printer: PFI-303 (330ml) MBK, C, M, Y, K
Replacement: PFI-703 (700ml) MBK, C, M, Y, K
PFI-303 (330ml) MBK, C, M, Y, K

Ink Supply Method
Tubing System with Sub-Tanks for Continuous Ink Supply

Nozzle Recovery System
Non-firing Nozzle Detection and Compensation

Printer Controller
L-COA Controller

Printer Memory
384MB

Hard Drive
80GB

Mail Boxes (User Job Storage)
One Common Inbox; 29 User Inboxes
(Password-protected)

Media Feed
Roll Feed: iPF810: One Roll, Front-loading, Front Output
iPF820: Two Rolls, Front-loading, Front Output

Media Width
Roll Feed: 10" - 44" (254mm - 1118mm)
Cut Sheet: 8" - 44" (203.2mm - 1118mm)

Printable Margins
Roll Feed: All Sides: 0.12" (3mm) or 0" for Borderless

Maximum Print Length (Single Page)†
Roll Feed: 59" (18m)
Cut Sheet: 63" (1.6m)

Borderless Printing Widths (Roll Media Only)
10", 14", 17", 24", 36", 42" B2 (20.28"/515mm),
A1 (23.38"/594mm), B0 (40.6", 1030mm),
A0 (33.11"/841mm)

Media Cutter
Durable Dual-Blade Rotary Cutter

Media Thickness
0.07 - 0.8mm (2.8 - 31.4mil)

Media Core Sizes
2" and 3" Core (Adapter Included)

Maximum Roll Outer Diameter
5.9" (150mm)

Output Media Bin
Portable Media Basket (Standard), 44" Plain Paper
Stacker (Optional), Media Take-Up Reel (Optional,
iPF810 only)

Printing Software
iPF810/iPF820
imagePROGRAF Printer Driver, HDI Driver††, Printer Driver
Extra Kit (Free Layout, imageRUNNER Linking Function),
Print Plug-in for Microsoft® Office

iPF820 PRO/iPF810 PRO‡
Above plus RATIO® CAD|STATION PS+
(CAD|STATION PS+ Server, PLOTCLIENT|SET,
PLOTCLIENT|HDI, PLOTCLIENT|WEB, WINPRINT)

Operating System
Printer Driver
Windows 32-bit 2000/XP/Server 2003/Vista/Server
2008, Windows 64-bit XP/Server 2003/Vista/Server
2008, Macintosh® OS X (10.2.8, 10.3.x, 10.4.x),
Macintosh OS X CUPS (10.4.9, 10.5.x)

CAD|STATION Server
Windows 2000/XP/2003 Server/Vista

Print Language
Printer
GARO, HP-GL/2, HP RTL

CAD|STATION PS+ (PRO Models Only)
Adobe® PostScript® 3, PDF 1.4, EPS, HP-GL,
HP-GL/2, HP RTL, DWF, DWG, PLT, CALS,
CGM, TIFF, JPEG, BMP, CALS, CGM

Interface
Standard (Built-in): USB 2.0 Hi-Speed, 10/100Base-T/TX
Optional: IEEE1394 (FireWire)

Acoustic Noise
Operation: 52dB (A) or Less
Standby: 35dB (A) or Less
Acoustic Power: 6.8 Bels or Less

Power Supply
AC 100-240V (50-60Hz)

Power Consumption
Maximum: 190W or Less
Standby: 6W or Less (11W or less when IEEE1394 is mounted)
Power Off: 1W or Less (Executive Order Compliant)

Certifications
Electrical Safety Regulations
UL (USA), C-UL (Canada), S mark
(Argentina), CE mark (EN60950, EN55022
classB, EN61000-3-2, EN61000-3-3, EN55024)
(EU), CB certification (Others)

Electromagnetic Interface Regulations
FCC Class B (USA), IC Class B (Canada)

Environmental Certifications
ENERGY STAR® (Worldwide), RoHS
Directive, WEEE, Executive Order (USA)

Operational Environment
Temperature: 59 - 86°F (15 - 30°C)
Relative Humidity: 10 - 80% (No Condensation)

Printer Dimensions (H x W x D) and Weight with Stand
iPF810/iPF810 PRO
45.1" x 74.6" x 50.9" (1144mm x 1893mm x 1291mm),
Approx. 335 lb. (152kg)

iPF820/iPF820 PRO
45.1" x 74.6" x 50.9" (1144mm x 1893mm x 1291mm),
Approx. 417 lb. (189kg)

Package Dimensions (H x W x D) and Weight
iPF810/iPF810 PRO
49.8" x 92.5" x 62.4" (1263mm x 2384mm x 1585mm),
Approx. 664 lb. (301kg)

iPF820/iPF820 PRO
49.8" x 92.5" x 62.4" (1263mm x 2384mm x 1585mm),
Approx. 768 lb. (348kg)

Options

- IEEE1394 Expansion Board (EB-05)
- 44" Plain Paper Stacker (STK1-94)
- Take-Up Unit (TU-06)
- Roll Holder Set (RH2-44)
- PosterArtist

User-Replaceable Items

- Ink Tank (PFI-303/PFI-703)
- Print-Head (PF-03)
- Maintenance Cartridge (MC-09)

What's In The Box
iPF810
Printer, Portable Media Basket, User Software CD
(Printer Driver, HDI Driver, Utilities), 5 Ink Tanks
(MBK, C, M, Y, K), 2/3" Core Media Spool, Print-Head,
Maintenance Cartridge, Quick Setup Guide (Poster),
Printer Reference Guide (Booklet), Power Cord,
One-Year Onsite Limited Warranty, Registration
Card, Stand, Hardware (For Setting Up the Printer)

iPF820
All items included in iPF810, plus Secondary Roll Unit

iPF820 PRO/iPF810 PRO
All items included in iPF810 or iPF820, plus
CAD|STATION PS+ Package

* Line accuracy repeatability is guaranteed after a user performs
necessary adjustment and under the same environmental
conditions. Applies to media for line drawing (Plain Paper,
Coated Paper, CAD Translucent Matte Film, and CAD Tracing
Paper) only.

** Theoretical value based on data resolution.

† The maximum printable length varies, depending on the
application, OS, and RIP used.

†† For AutoCAD or AutoCAD LT 2000/2000i/2002/2004/2005/
2006/2007/2008/2009

‡ For high-speed and error-free printing of PostScript files
such as PS, PDF or EPS, using CAD|STATION PS+ software
in iPF810 PRO or iPF820 PRO is strongly recommended.
Alternatively, other PostScript compatible RIP package may
be used to print PostScript files. For a list of Canon
recommended RIP packages, please consult with
Canon Alliance and Industry Market program list
of RIP vendors at www.usa.canon.com.


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1-800-OK-CANON
www.usa.canon.com

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