

AGFA Division  
OMNI KNOWLEDGE DATABASE  
FIELD SERVICE BULLETIN  
COMPANY CONFIDENTIAL  
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**PRODUCT:** Avantra 44 - FSB36  
**PREPARED BY:** Gary Carlson  
**DATE:** December 14, 1994  
**SUBJECT:** SelectSet Avantra 44 Product Release

**INTRODUCTION**

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The SelectSet Avantra 44 is the latest addition to the Avantra Family of High-End Laser Based Postscript Image Recorders. Customer shipments began on December 13, 1994.

- ◆ The Avantra 44 builds upon the Avantra 20/25 advanced capabilities and adds new features, such as;
  - ⇒ EasyLoad Media Handling Feature
    - Allows convenient loading of large format Supply Cassettes.
  - ⇒ Vacuum System
    - The vacuum system aids in keeping the media tight against the drum for optimum image quality.
  - ⇒ Integrated On-Line Processor Bridge/Buffer (optional)
- ◆ Intended Market - User's that require
  - ⇒ Large-format output (packaging, posters)
  - ⇒ Imposition - 8 Up system (books, magazines)
- ◆ Supports the high quality imaging requirements needed for CristalRaster

**STANDARD EQUIPMENT**

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- ◆ Punch System
    - ⇒ Head and Tail
    - ⇒ Stoesser or Bacher
  - ◆ Multiple Media Supply Capability
    - ⇒ Allows two different (or same) media's to be on line in the engine at the same time
  - ◆ Flex Media
    - ⇒ Automatically adjusts focus for the selected media thickness
    - ⇒ User-definable media widths
  - ◆ Media Handling Cart
    - ⇒ A device that allows that user to easily transport media and supply cassettes to and from the engine.

**PRODUCT INFORMATION:**

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The following section will give a brief product description of each system configuration, the PID, ABC Code, what is included with each system and available options.

Note: "I" after the PID signifies an International configuration. These configurations DO NOT include the Modem kit.

Product Description	PID	ABC Code
=====		
<b>SelectSet AVANTRA 44</b> with	AVANTRA44S	CLLTY
Dual Supply Cassette	AVANTRA44S-I	CLLV3
Stoesser Head & Tail Punch		

Includes: Two Reloadable Supply Cassettes (250' max. capacity), One 36" Take-Up Cassette (100' max. capacity), 250' Roll of 36" Film, Modem kit, Registration Pins, Power Cord, Cassette Wrench, Extra Filters, Cassette Reload Cradle, Media Handling Cart, User Manual, Installation and 90 Day Warranty.

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<b>SelectSet AVANTRA 44</b> with	AVANTRA44B	CLLX7
Dual Supply Cassette	AVANTRA44B-I	CLLZC
Bacher Head & Tail Punch		

Includes: Two Reloadable Supply Cassettes (250' max. capacity), One 36" Take-Up Cassette (100' max. capacity), 250' Roll of 36" Film, Modem kit, Registration Pins, Power Cord, Cassette Wrench, Extra Filters, Cassette Reload Cradle, Media Handling Cart, User Manual, Installation and 90 Day Warranty.

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<b>SelectSet AVANTRA 44</b> with	AVANTRA44BP	CLL2G
Dual Supply Cassette	AVANTRA44BP-I	CLL4L
Bacher Plate Head & Tail Punch		

Includes: Two Reloadable Supply Cassettes (250' max. capacity), One 36" Take-Up Cassette (100' max. capacity), 250' Roll of 36" Film, Modem kit, Registration Pins, Power Cord, Cassette Wrench, Extra Filters, Cassette Reload Cradle, Media Handling Cart, User Manual, Installation and 90 Day Warranty.

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<b>SelectSet AVANTRA 44</b> with	AVANTRA44S/BRDG	CLLU1
Dual Supply Cassette	AVANTRA44S/BRDG-I	CLLW5
Stoesser Head & Tail Punch		
Bridge & Buffer		

Includes: Two Reloadable Supply Cassettes (250' max. capacity), One 36" Take-Up Cassette (100' max. capacity), 250' Roll of 36" Film, Modem kit, Registration Pins, Power Cord, Cassette Wrench, Extra Filters, Cassette Reload Cradle, Media Handling Cart, User Manual, Installation and 90 Day Warranty.

Note: The On-Line Processor must be ordered separately

Product Description	PID	ABC Code
=====		
<b>SelectSet AVANTRA 44</b> with	AVANTRA44B/BRDG	CLLYA
Dual Supply Cassette	AVANTRA44B/BRDG-I	CLL1E
Bacher Head & Tail Punch		
Bridge & Buffer		

Includes: Two Reloadable Supply Cassettes (250' max. capacity), One 36" Take-Up Cassette (100' max. capacity), 250' Roll of 36" Film, Modem kit, Registration Pins, Power Cord, Cassette Wrench, Extra Filters, Cassette Reload Cradle, Media Handling Cart, User Manual, Installation and 90 Day Warranty.

Note: The On-Line Processor must be ordered separately

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<b>SelectSet AVANTRA 44</b> with	AVANTRA44BP/BRDG	CLL3J
Dual Supply Cassette	AVANTRA44BP/BRDG-I	CLL5N
Bacher Plate Head & Tail Punch		
Bridge & Buffer		

Includes: Two Reloadable Supply Cassettes (250' max. capacity), One 36" Take-Up Cassette (100' max. capacity), 250' Roll of 36" Film, Modem kit, Registration Pins, Power Cord, Cassette Wrench, Extra Filters, Cassette Reload Cradle, Media Handling Cart, User Manual, Installation and 90 Day Warranty.

Note: The On-Line Processor must be ordered separately

#### ----- **OPTIONS FOR AVANTRA 44**

On-Line Bridge Kit	AV44-BRDG	CLL7R
On-Line Processor and Crane Kit	PPS-OLP44	FSGM7
Off-Line Processor and Crane Kit	PPS-PRO44	F4ZVM
Crane Kit	PPS-CRANE	TBD
Additional Supply Cassette	AV44-RELMAGAZINE	CLL8T
Additional 36" Take-Up Cassette	AV44-CASSETTE	CLL6P
Custom Punch System	Upon Request	

## AVANTRA 44 NOTES

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### ○ Early Unit Restrictions (Decemeber Units Only)

- Use 4 mil Film only. No Paper or Plate
- Always feed one full drum length (52") after an initial load or a spindle swap.
- Do not use film saving/optimization utilities. Changing of spindles must be done at the engine's Control Panel, not from remote utilities.
- Other notes on early Production Units;
  - The first 50 On-Line Processor's (OLP s/n 23-73) will not have the Crane mounts installed. A Crane Mount Kit will be sent with the units and installed at system installat ion time.
  - The Avantra's shipped in December will also need a software upgrade at time of installation. A software modkit (version 3.0) will be sent to each site soon after delivery of the system. This software must be installed as soon as possible.

**NOTE:** Upgrades for these units to full functionality will be available in Q1 of "95". These early units will NOT be upgradeable to support SetPrint material.

○ A Static Control mod kit will ship with each Avantra 44 On-Line Processor. The kit is intended to address the problem with static on media as it enters the processor (input platens). This kit should be installed at time of system installation.

○ There is a new, more stringent humidity requirement placed on the Avantra 44. To obtain the best imaging and media handling performance, the optimum humiddtity range is between 50&60%.

○ Because of the size and complexity of the Avantra 44, especially with an on-line processing system, a presite visit to the customer is mandatory before any installation can take place. The **Avantra 44 Presite**Form can be downloaded from the OMNI BBS. The name of the file is AV44PRE.PDF and is located in the "AVANTRA" directory (stored in PDF format).

○ The Avantra 44 is compatible with the following RIP's:

#### ■ Compatible RIPS

##### **Hardware**

- Star 800
- MultiStar 800

##### **Software**

- Viper version 1.5
- Cobra version 2.1

#### ■ CristalRaster Screening version 2.1

#### ■ Angled Screening methods are also compatible

- Agfa Balanced
- Adobe Accurate
- Rationa l Tangent

## SYSTEM SPECIFICATIONS

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#### PHYSICAL SPECIFICATIONS

EQUIPMENT	WIDTH	HEIGHT	DEPTH	WEIGHT
Avantra 44	73"	54"	35"	1800 lbs.
AV44 OLP	61"	54"	66"	600 lbs.

Refer to Figure 1

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#### ELECTRICAL SPECIFICATIONS

EQUIPMENT	VOLTS	AMPS	REC.	POWER	HEAT OUTPUT
AVANTRA 44	115/230	5.0/2.5	NEMA 5-20R	575 W.	1,962 BTU's
AV44 OLP	230	25.0	NEMA L6-30P	5750 W.	19,619 BTU's

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#### ENVIRONMENTAL SPECIFICATIONS

Temperature:

Operating	60 to 80 °F (15 to 30 °C)
Shipping	23 to 115 °F (-5 to 45 °C)

Relative Humidity: 50 to 60%, non-condensing

Altitude:

Operating	9,842 ft. (3,000m)
Shipping	42,650 ft. (13,000m)

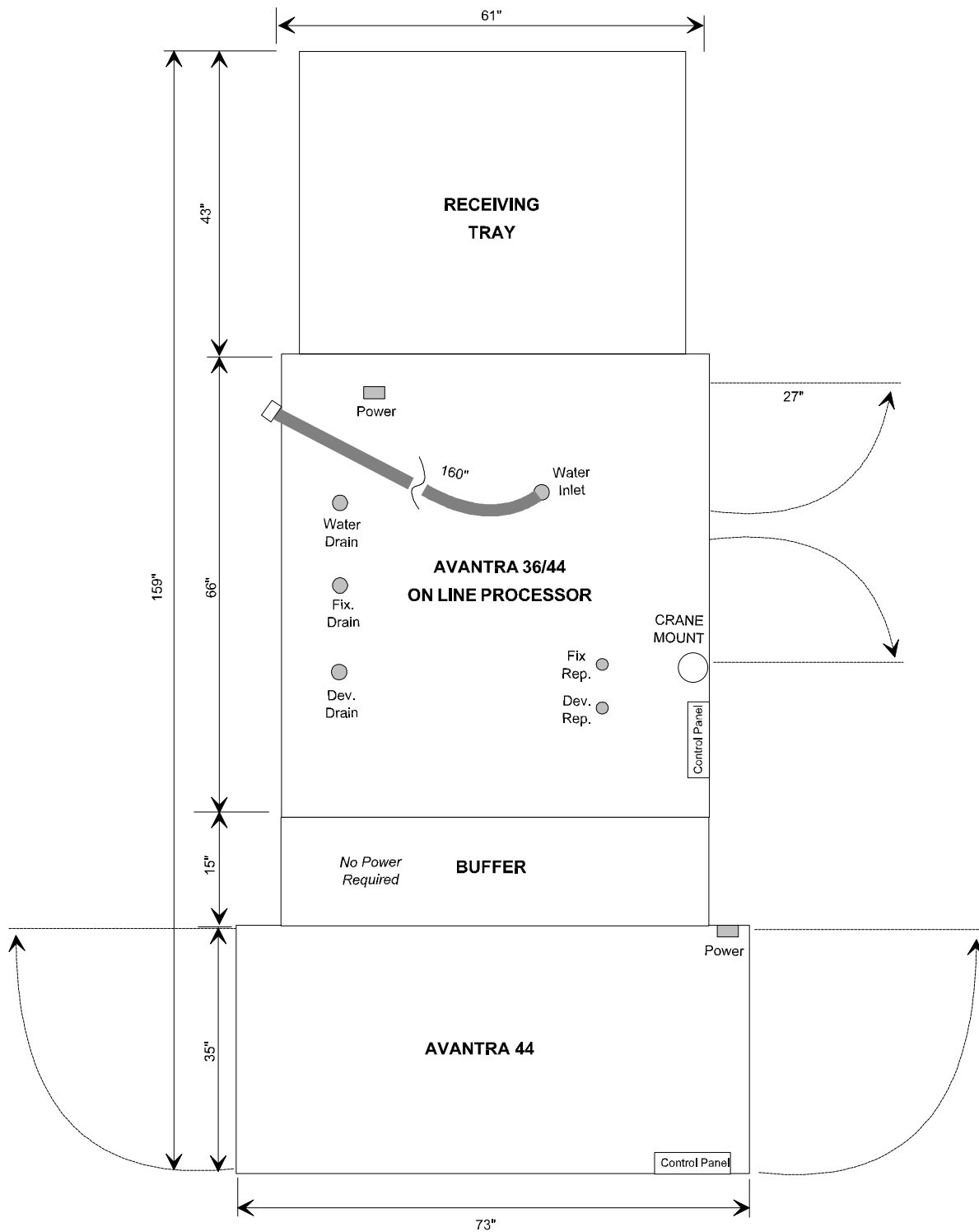
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*FUNCTIONAL SPECIFICATIONS*

Image Size	35.69 x 44.50 inches, max.
Output Resolutions	1200, 1800, 2400 or 3600 DPI
Spot Size:	0.00076" (20 microns) @ 1200 0.00057" (15 microns) @ 1800 0.00037" (9.5 microns) @ 2400 0.00031" (8.0 microns) @ 3600
Performance (Sq. in. per minute)	501 @ 1200 DPI 334 @ 1800 DPI 251 @ 2400 DPI 167 @ 3600 DPI
Screen Rulings	Up to 318 LPI (288 shades of gray @3600)
Repeatability:	
Best Fit	+/- 0.5 mils
To Punches	+/- 1.0 mils
Accuracy (Duplo)	+/- 1.5 mils
Media Types:	red sensitive, HeNe Paper, Film, Plate
Film-Plate	variable widths between 16" and 36" (.01" incr.) variable thickness between 4 and 12 mils. (1 mil incr.)
Paper	3 widths available (22", 26" & 36")

**AVANTRA 44  
WITH  
ON-LINE PROCESSING SYSTEM**



**FIGURE 1**