

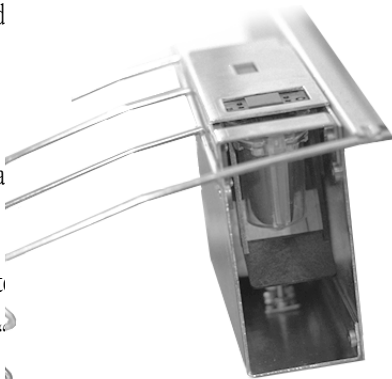
IJL/3 Imprinter for Fujitsu Scanners

Production imprinter

The Acordex IJL/3 is an Ink Jet Labeling system for endorsing, or imprinting, documents as they are scanned by a Fujitsu M3093, M3096 or M3097 scanner. It is ideal for continuous operation in a high volume prod

Computer Control

The IJL/3 is connected to a computer via a standard serial line. It can be operated without programming. In "Monitor" mode, you can interactively control the IJL/3 using a terminal or terminal emulator.



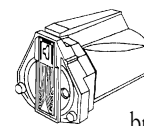
Full Speed

Documents are imprinted and scanned concurrently. The scanner operates at its rated speed, so there is no reduction in the throughput of the imaging system. And there is always an one-to-one correspondence between the scanned image and the printed label.

The IJL/3 is entirely silent when operating. Unlike the loud dot-matrix printers found on microfilm cameras which require installation in special closed rooms, an imaging system with the IJL/3 can be conveniently used in the office.

Reliable

The print head used by the Acordex IJL/3 is manufactured by Hewlett Packard. It is a proven design that has been reliably used in many major brands of desktop ink-jet printers. When the cartridge runs out of ink, it is replaced easily in less than a minute.



More information

Call (978) 352-5500
email to ijl@acordex.com
visit <http://www.acordex.com>

Acordex
Imaging Systems

Specifications

Program Control

In production environments, the scan station imaging software is programmed to control the Acordex IJL/3. The typical operation sequence starts with the imaging system software telling the labeling system what should be printed on the document. The IJL/3 stores this information and then, under its own internal computer control, waits for the document to start out of the scanner. When the document is in the proper position, the labeling system prints the desired information on the document with no host computer involvement. This allows the host to continue to service the scanner, keeping it running at full speed.

The imaging software can check the IJL/3 for its status after each step. If no errors are reported, then the imaging software knows that the page was imprinted. Since the IJL/3 labels at the same time the scanner captures the image, the software always knows exactly which label belongs with each image.

Post-scan Imprinting

The IJL/3 imprints each page as it exits the scanner. The advantages of post-scan endoresing are: Wet ink is never pulled into the scanner and across the glass window used in Fujitsu scanners, preventing the possibility of smearing the imprint. The scanned image is always captured as it originally appeared; nothing in the image is obscured by the imprint. Ink color can be selected to ensure that you can read the paper document even if there is important information under the imprint.

Controller

- Standard RS-422 or RS-232 serial port:
 - protocol is x-on/x-off
 - connector is 9-pin D-type
- Baud rates: 9600 and 19.2K
- Maximum text length: 128 characters
- Label indent: 0.00-99.99" (0.01" resolution)
- Power-on test: LED pass/fail indicator

Print head

- Character height: 1/8"
- Resolution: 96 dpi
- Character frame: 12 dot vertical, 12 to 16 dot horizontal, typical
- Maximum document speed:
 - Arbitrary graphics (including black areas): 13 ips (33 cm/sec); for 11" pages: up to 70 pages per minute
 - Characters (no black areas): 20 ips (50 cm/sec); for 11" pages: up to 100 pages per minute
- Ink supply life:
 - 10 million dots per cartridge
 - about 250,000 characters
- A Hewlett Packard thermal print head with integral ink cartridge is used. Cartridge replacement takes less than 1 minute

Software control

- Initialization commands:
 - hardware reset that re-boots the IJL controller
 - software reset command
- Setup commands:
 - set the label indent (imprint position on the page)
 - set the print width (distance between dot columns)
 - set print direction (right to left or left to right)

- set the print orientation (right side up or up side down)
- Print commands:
 - set the print message
 - arm the head to be triggered by the photocell
 - cancel photocell arming / cancel print in progress
- Font selection:
 - two ROM resident fonts are included on board
 - a RAM font can be downloaded
 - bit maps can be downloaded for printing arbitrary graphics, logos, special symbols, etc.
- status query is available at all times

Environment

- power requirement: 0.5A at 120VAC
- operating temperature range: 15-30°C (60-85°F)
- relative humidity: 20-80% non-condensing
- maximum altitude: 3000 meters

Warranty

- 12 months
- return to factory for repair or replacement
- extended warranties are optionally available

More information

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