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**Printing & Packaging Tech., Inc.**  
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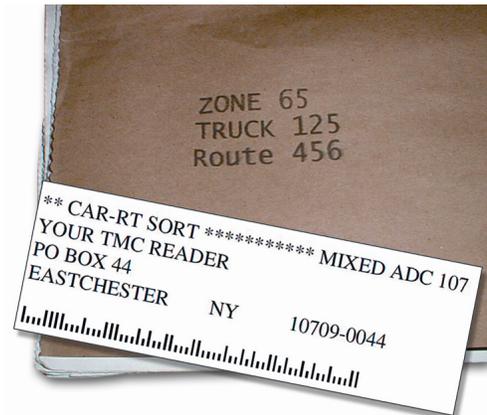
## **MiraJET** Ink jet printing head

**MiraJET** is an industrial **ink jet print head** that can be used for printing addresses or labels directly on papers, products or bundles during the production process. MiraJET uses standard Hewlett Packard 45A ink cartridges, which can be purchased from a variety of sources. Economical bulk-ink systems are also available. The auto-cleaning feature involves automated capping of the heads when not in use to prevent the ink from drying out on the head.



The system, when used in conjunction with our MiraLABEL or MiraWRAP software, can be used for address labels, product marking and bundle marking.

**For address label, TMC, or other product marking** requirements Miracom can provide the mounting hardware for gripper conveyor, in-feed conveyors, and feed-table installation for top-down or bottom up printing. **Yes we can print upside down** to meet your TMC needs! Contact us for videos and references of installations that have been successfully printing upside down for several years with our systems.



**For Bundle labeling** Miracom can provide mounting hardware for many bottom wrap machines and (including many Samuel and Quipp models).

Built on Hewlett Packard Inkjet technology, the standard unit is a high-resolution, auto-cleaning, 3-jet-head system that supports True type fonts and barcodes up to a width of 1.5 inches. The system also supports graphics and multiple color cartridges.

### **Hardware:**

- HP technology, water based ink, self-sealing and self-cleaning
- Communicate to the MiraJET via Ethernet
- Systems available from Miracom to emulate many existing protocols for plug-and-play replacement of your current print head.
- Economical bulk ink systems are available for high volume applications.

### **Software:**

- Plug and play replacement for many legacy Mathews and Prism systems.
- See MiraLABEL and MiraWRAP software sections for more detail



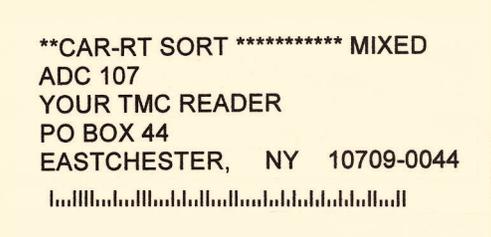
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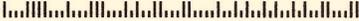


## MiraLABEL

### Print address or product coding information directly on newspapers or packages

MiraLABEL is an inkjet control interface module to label papers and insert packages in a gripper or conveyor. This can be used for the purpose of applying address labeling or package control information such as a sequence numbers and or zone identification information in code or human readable.



\*\*CAR-RT SORT \*\*\*\*\* MIXED  
ADC 107  
YOUR TMC READER  
PO BOX 44  
EASTCHESTER, NY 10709-0044  


In the address label mode, this system can print any of the postal barcodes.

MiraLABEL can work seamlessly with a MiraSERT inserter control system for verified and accurate zone counts in real time, for zoning, micro-zoning or address specific applications. MiraLABEL can also be implemented as a stand-alone printing system on any inserter, or press line, or feeder table running at up to 55,000 per hour. MiraLABEL systems can import address files in a variety of formats and control stackers for sorting, and accurate route breaks.

## MiraWRAP

### Bundle-wrap labeler interface

MiraWRAP is the bundle-wrap labeler interface module from MiraSERT and/or MiraSORT to the assorted bundle-labeling equipment available on the market today. MiraWRAP allows you to interface to your bundle-labeling control system to automatically print zone, route, or count information on each bundle's individual label.

While it is best suited to work with our MiraJET print head, it will also work with many of the legacy inkjet heads already mounted on bundle wrappers. Call for details about your specific requirements.

