

Thermal Transfer
Ribbons for RFID



RFID combines RFID tags – tiny radio transmitters – with thermal transfer printing on labels that include bar codes as well as other readable information. Because of this additional information, RFID labels are often larger than in other applications. The biggest obstacle to RFID labeling, however, is static electricity. RFID tags can be damaged by as little as 500 volts of static electricity, yet some TTRs produce charges in excess of 1,000 volts.

RFID is greatly impacting today's retail industry. It's also taking center stage in the supply chain strategies of many global companies. The U.S. Department of Defense and Wal-Mart, for example, require RFID labeling at the pallet level to track inventory and, increasingly, on individual products. Understanding the requirements of this growing market is imperative to profitable participation.



Tested and Proven for RFID

In competitive tests by major printer manufacturers, Dynic thermal transfer ribbons have been proven to provide the best performance for RFID applications. That's why Dynic thermal transfer ribbons are already in use for RFID printing by many of the largest printer manufacturers to fulfill contracts for companies such as the U.S. Department of Defense and Wal-Mart. These manufacturers also trust Dynic in their own testing labs.

Maintaining High Quality While Minimizing Static

Keys to Success

Anti Static

Static is the enemy of RFID and can destroy an RFID tag. Therefore, it is essential that static created during printing be eliminated or kept to an absolute minimum.

Quality Imprinting

Because RFID labels contain bar codes and other descriptive information, readability remains an important factor. Both the clarity of the image as well as its ability to scan correctly are key indicators of quality.

Matching TTRs to the Application

Different labeling applications have different requirements due to materials and environmental factors. Therefore, it is important to have the right TTR for the specific application.

Proven Products

Choosing products that have been tested for use in RFID labeling – and proven superior – can provide additional assurance of success.

The Dynic Solution

Dynic thermal transfer ribbons have always been known for quality and the crispest possible printing for nearly every application and environment.

Most important to RFID labeling is Dynic's TTR back coating that was developed specifically to reduce friction and minimize static during printing. As a result, Dynic TTRs provide the lowest possible levels of static and the greatest possible protection against chip damage.

Dynic Thermal Transfer Ribbon is Compatible for RFID Label Printing with Printers from these Manufacturers:

- Avery Dennison
- Datamax
- Intermec
- Markem
- Monarch/Paxar
- Printronix
- Sato
- TEC
- Zebra
- and others



Dynic USA Corporation
4750 N.E. Dawson Creek Drive
Hillsboro, Oregon 97124
Phone (800) 326-1249
(503) 693-1070
Fax (503) 648-1185
www.dynic.com