



## Packaging Engineers, Inc.

At EDL Packaging Engineers Inc, we believe that if we use fewer raw materials and less energy, and still produce packaging with superior quality and performance, it's a significant environmental victory. And, it's good business. When it comes to the environment, it all boils down to the three Rs: **Reduce, Reuse and Recycle**. Today's consumers demand more efficient and environmentally friendly packaging. Our own customers are looking for greater efficiency and cost savings in production and logistics.

### Why Use Shrink Packaging?

Today, many manufactures are committed to becoming the solution for source reduction. In most applications shrink wrap is becoming primary in packaging while, case or tray materials are being eliminated. **Shrink wrap costs significantly less than other packaging materials and shrink wrap is recyclable.**

### Environmental Benefits of Shrink Film Over Corrugated

- **Saves Energy** – It usually takes less energy to make recycled film products versus corrugated packaging.
- **Saves Clean Air and Water** - In most cases, making products from recycled materials creates less air pollution and water pollution than making products from new materials
- **Landfill Space is Conserved** - When Shrink Film materials are recycled and go into raw products, they don't go into landfills or incinerators

### Additional Benefits of Shrink Film Over Corrugated

- Shrink Film is one of the most versatile and inexpensive types of packaging available. It is clear and can be printed with colorful graphics. Shrink wrap serves many useful purposes such as quality, blocks dust and dirt, and enhances shelf appeal.
- **STRENGTH:** Shrink film provides the puncture, impact, and abrasion protection your product needs while reducing ancillary packaging costs, storage requirements, and disposal nuisances associated with corrugated boxes.
- **VERSATILITY:** Allows consumers to see the product. Shrink film protects from humidity, dust and dirt
- **VALUE:** For a given packaging requirement no other form of packaging uses less resources and energy.
  - Less warehouse space needed - no need to stock multiple box sizes
  - Labor savings from box size change over
  - Material Savings - less shrink film is needed to create a package
  - Reduced Shipping Cost – Shrink Film weighs a lot less then corrugate, thus, reducing the carbon footprint and maximizing density in the trucks
  - **Reduced waste at retail**
  - No more torn open boxes by customers trying to see the product
  - **Recyclability**
  - Leakage resistance, containment, and protection

## EDL's Sustainable Message:

How is EDL in the Green? Our unique Tight Wrap technology offers a variety of benefits over traditional Shrink Bundling methods. As it related to EDL's ongoing commitment to Sustainable Packaging, there are two primary areas in which the Tight Wrap Seal System conserves resources – Energy and Material Savings.

### Sustainable Solutions:

- Consumes less utilities (air, water, power) than previous models
- Reduces production scrap and can operate with thinner gauge materials
- Has a smaller footprint than previous models which reduces the customer's space, heating, lighting needs

### Energy Savings:

- Tight Wrap sealing technology allows for a group of products to be unitized tighter than is possible with Shrink Tunnels using LDPE films. Subsequently, the Tight Wrap Seal System can be used to create packages that minimize the size and dramatically reduce the energy consumption of Shrink Tunnels or, in certain cases, can completely eliminate the need for any Shrink Tunnel. An example of the complete elimination of the Shrink Tunnel would be a Single Tight Wrap bundle with tuck-and-fold closure (pictured below).

### Material Savings:

- Tight Wrap pack styles can dramatically decrease the total amount of film used on a package by using mechanical tension, in place of Shrink Energy, to provide the required containment. In cases where total enclosure is required, the use of EDL's Double Tight Wrap will produce a superior pack using less film than traditional Shrink Bundling Methods.

#### Product List:

- DVD Cases
- Ice Cream Containers
- Cartons in Distribution Bundles
- Bagged Rice
- Bagged Flour
- Bagged Beans
- Bagged Petfood

#### New Developments:

Our products that use this technology:

- Single Tight Band Only
- Single Tight Band with Tuck-and-Fold
- Dingle Tight Band with Shrink
- Double Tight Wrap



**No Shrink  
Tunnel!**