

Environmental Impact

Problems:

- Fuel prices are rising
- Oil is in short supply
- Energy demands are increasing every day
- Global energy crisis

Solutions:

- Harness solar energy
- Zero net energy consumption
- Create energy efficient and energy positive environments
- Use alternate fuels
- Use alternate transportation
- Use chemical-free cleaning products
- Implement the 7 Rs strategy:
Remove, reduce, re-use, renew, recycle, revenue and read



StandUp Pouch and Tray Sealing Machinery

PPI Technologies Global promotes growth opportunities to an inter-related group of companies serving North and South American businesses.

Our companies take StandUp pouch and tray/lid concepts and evolve them into complete turn-key systems from flexible materials to pouch and tray packaging systems.

The Result:

PPI Technologies Global and our global strategic partners manufacture more pouch and tray machinery than any other company in the world.



For additional information regarding our **SECAMP®** program, please do not hesitate to e-mail us at: rcmpp@aol.com

PPI Technologies Global
1611 Northgate Boulevard
Sarasota, FL 34234
Tel: +1 (941) 359-6678
www.ppitechnologies.com



Meeting the needs of the present without compromising future generations

Respect for the Ecosystem



Life Cycle Assessment can be called a "composite measure of sustainability."

The performance of products on the environment and the lifestyle of these products and services as they move through the process of manufacturing, transportation and distribution. Also referencing re-use, maintenance, recycling, and final disposal.

Life Cycle Assessment of Packaging

In a recent study, the overall environmental impact of a pouch vs a bottle was analyzed and below are some of the findings.

- **Waste:** In a comparison between a 187 ml bottle and a 187 ml pouch, it was found that the pouch generated 40% less waste
- **Weight:** The pouch weighs 20 times less than the bottle and uses far less material and takes up far less space than a bottle
- **Energy savings:** The pouch uses far less energy to make than a bottle
- **Lower carbon footprint:** The pouch has a much lower CO₂ footprint than a bottle
- **Recycling:** The pouch can be incinerated and the resultant energy captured for new usage



The 7 “R’s” of Packaging

Wal-Mart and other large retailers are demanding their vendors keep their manufacturing processes as green as possible.

- **Remove Packaging:** Eliminate unnecessary packaging, extra boxes or layers
- **Reduce Packaging:** “Right size” packages and optimize material strength
- **Re-use Packaging:** Pallets (use CHEP, IFCO etc.) and reusable plastic containers (RPC)
- **Renewable Packaging:** Use materials made from renewable sources; select materials that are biodegradable or can be composted
- **Recyclable Packaging:** Use materials made of the highest recycled content without compromising quality
- **Revenue:** Achieve all above principles at cost parity or cost savings
- **Read:** Get educated on sustainability “and how we can all support it”

Sustainability is measured as follows:

Green house gas / CO ₂ emission per ton of production	15%
Material value	15%
Product to package ratio	15%
Cube utilization	15%
Transportation	10%
Recycled content	10%
Recovery value	10%
Renewable energy	5%
Innovation	5%

Features of a ShotPak® Pouch

The ShotPak® pouch has been designed with the following features in mind:

- **Shape:** The pouch has been designed so that it fits comfortably into the consumer’s hand. The top of the pouch has been designed to resemble a bottle top.
- **Tear Notches:** The pouch incorporates two tear notches that enable the consumer to easily tear open the top of the pouch thus allowing access to the contents
- **Structure:** The pouch is manufactured from a patented laminate structure that ensures product stability
- **Safety:** The pouch has been designed so that no other products e.g. drugs) can be added to it making it safe for women to enjoy their drinks
- **Responsibility:** The pouch contains all the information about the contents and the consumer can regulate their consumption based on the number of drinking units indicated on the pouch
- **Oil-to-oil:** The pouch is made from plastic and foil and when incinerated, the secondary energy is captured

