



It's in the Bag!

Thermo-fusion™ Reprocessed Plastic Pallet



ENTRANT

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CATEGORIES ENTERED

Environmental Impact



Recovered Packaging
Materials



SPECIAL FEATURES



Range Industries Ltd was formed to develop a new proprietary process for the reprocessing of certain forms of plastic waste streams previously channelled to landfills. Range Industries patented Thermo-fusion™ process allows plastic waste, in particular Grade 2 (plastic shopping bags) and Grade 4 (Industrial Shrink Wrap) to be converted and formed into a number of different products either as a component or finished moulded product.



Range Industries has successfully completed the development of the process and is now in production.



Each year an estimated 500 billion to 1 trillion plastic bags are consumed worldwide. That equates to one million per second, with billions disposed of as litter each year.



Benefits of Range's production process:

- Ability to use contaminated plastic
- Ability to use virtually any type waste plastic
- One step process, no pre-processing or plastic required
- High speed production capacity - currently able to produce a pallet every 3 minutes.
- Second generation machines will have the ability to produce a plastic freight pallet every minute
- Plastics that do not readily breakdown in landfill disposal.



Range reprocessed a total of 200 tonnes in its first year of operation. This year they expect to reprocess 2,580 tonnes rising to 5,800 tonnes in 2008, 8,700 in 2009 and 11,700 in 2010.