



Separation Technology



Introduction

Peter Harrison
of Envirotech Project Management Ltd

ENVIROTECH, recycling for the future



Product Separation – Why?

- *Legislative Changes* – 31st December 2005
- *Redundant* stock
 - Mispackaging
 - Mislabeling
 - Expired Products
- *Reduce* disposal costs





Automated Separation

Typical Wet Products for Separation:



ENVIROTECH, recycling for the future



Automated Separation

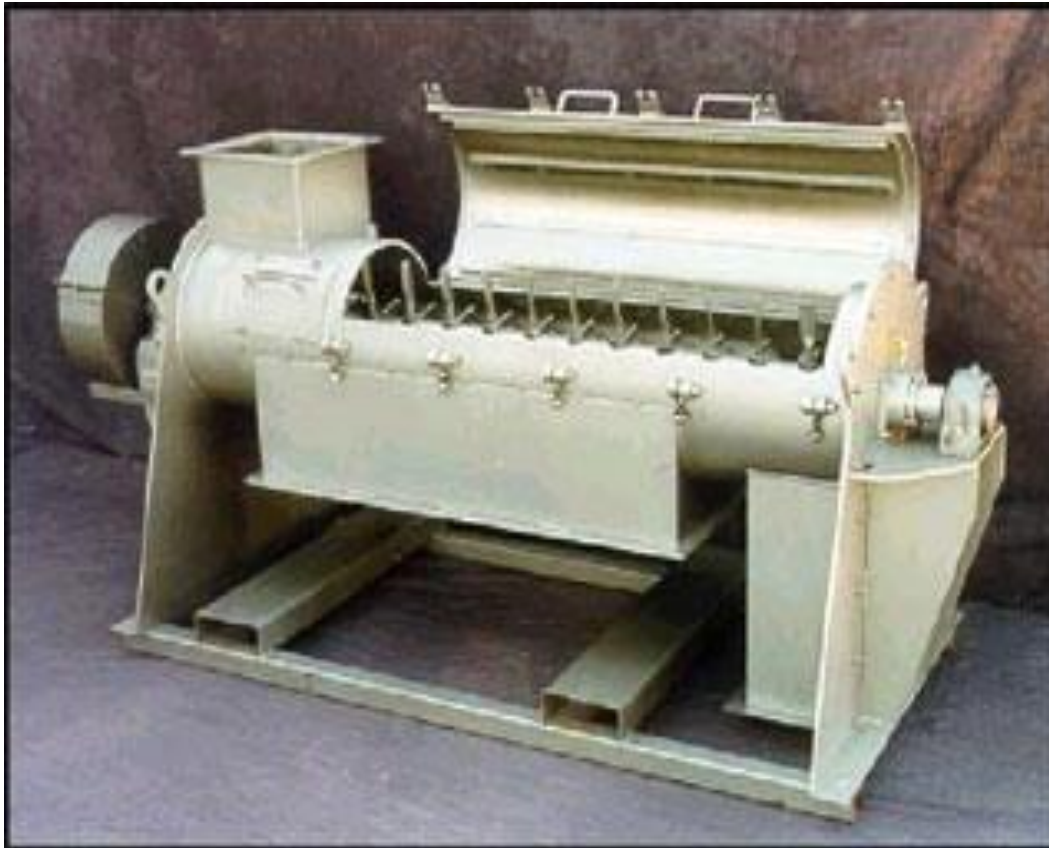
Typical Wet Products for Separation:



ENVIROTECH, recycling for the future



Turbo Separator

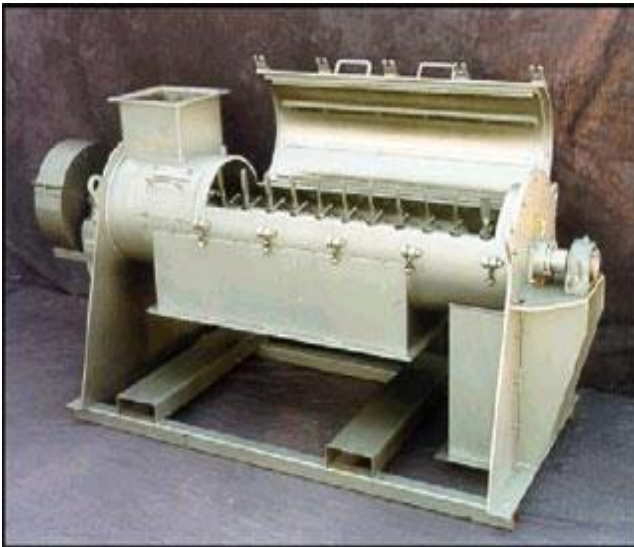


- The Turbo Separator is ideal for recovering a diverse range of dry or wet products.
- Providing a solution to recycle the separated components.

ENVIROTECH, recycling for the future



Turbo Separator

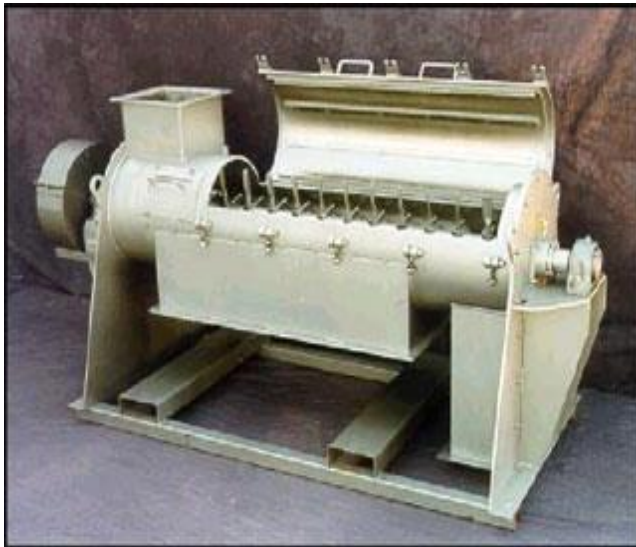


Internal view showing heavy duty construction

ENVIROTECH, recycling for the future



Turbo Separator



Typical Installation

ENVIROTECH, recycling for the future



Automated Separation

Wet Products After Separation:



ENVIROTECH, recycling for the future



Automated Separation

Stripped Packaging After Separation:



ENVIROTECH, recycling for the future



Dry Separation

- Simple operation for dry products only.
- Pack Saver Machine opens packs and conveys them to separating chamber.
- Results in clean recovered product.
- Packaging can be recycled.





Dry Separation

Suitable for:

- Sugar pouches
- Ground coffee
- Coffee beans
- Tea
- Sweets
- Wafers
- Chewing gum
- Chocolate bars
- Biscuits
- Bread
- Raisins
- Nuts
- Flour
- Soup cubes





Dry Separator

Typical Dry Products for Separation:



ENVIROTECH, recycling for the future



Dry Separator

Typical Dry Products for Separation:



ENVIROTECH, recycling for the future



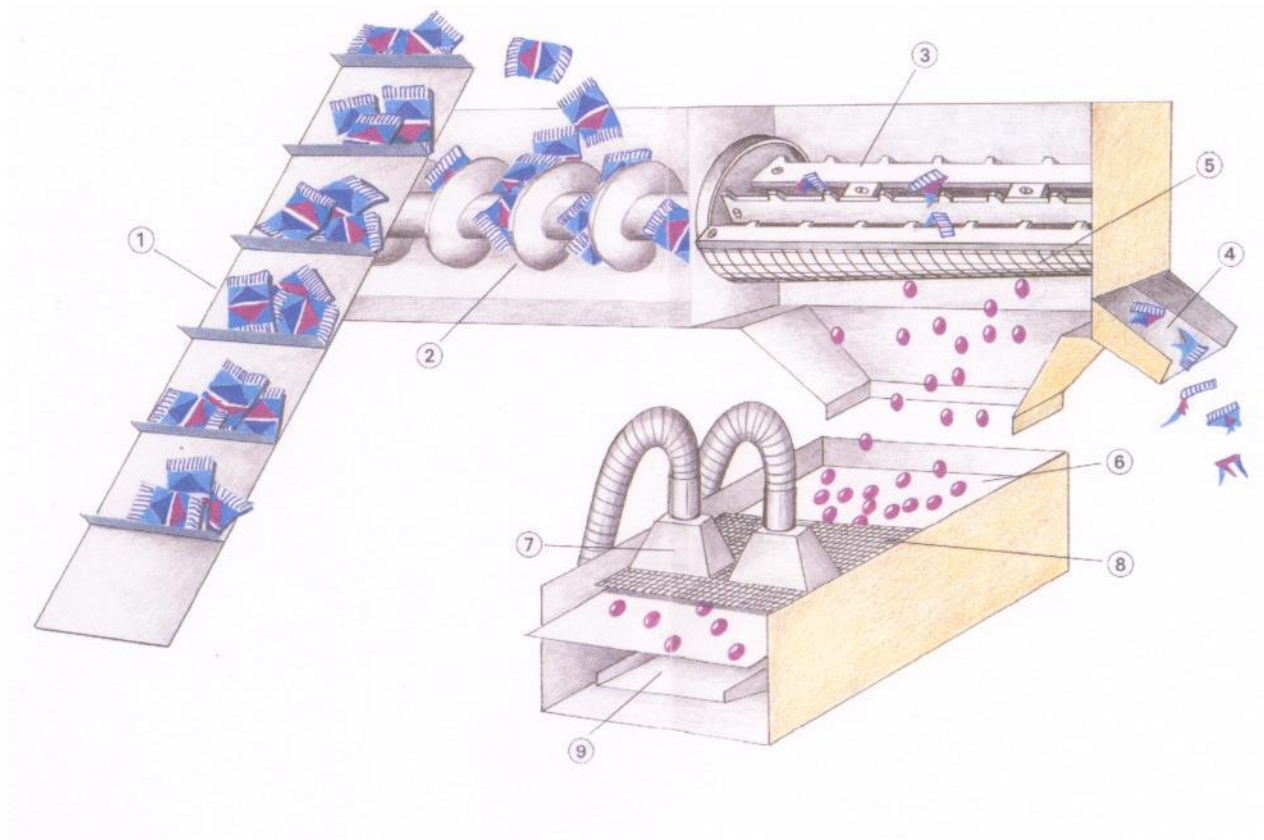
Dry Separator



ENVIROTECH, recycling for the future



Dry Separator



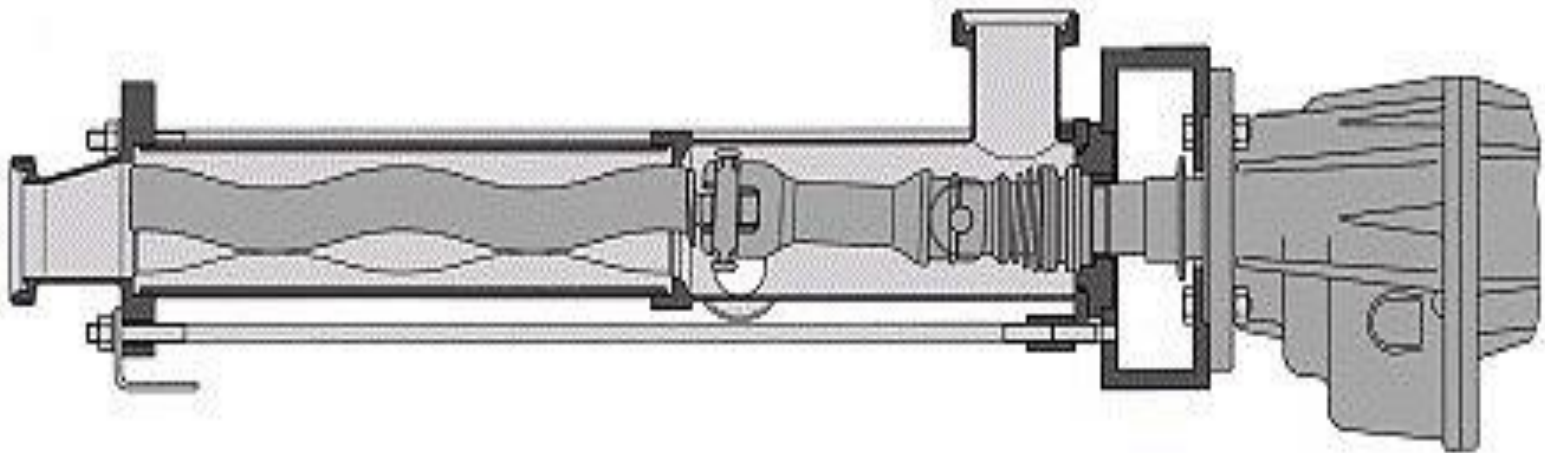
ENVIROTECH, recycling for the future



Volume Reduction

Via Progressive Cavity Pumps (PCPs)

- Handle production waste
- Render waste produce to a transportable size
- Reduce waste produce disposal costs



ENVIROTECH, recycling for the future



Volume Reduction

Waste reduction



ENVIROTECH, recycling for the future



Volume Reduction

Waste reduction

Before



After



ENVIROTECH, recycling for the future



Volume Reduction

Re-slurrify production waste for final disposal

Bakery and meat waste



ENVIROTECH, recycling for the future



Any Questions?



ENVIROTECH, recycling for the future