

**RECOVERY OF PRODUCT FROM PACKAGING**

**PROBLEM**

The need to recover product from packaging for such reasons as:-

- Damaged packaging
- Out of weight contents
- Incorrectly printed packaging
- Damaged contents which can be reprocessed

**REQUIREMENT**

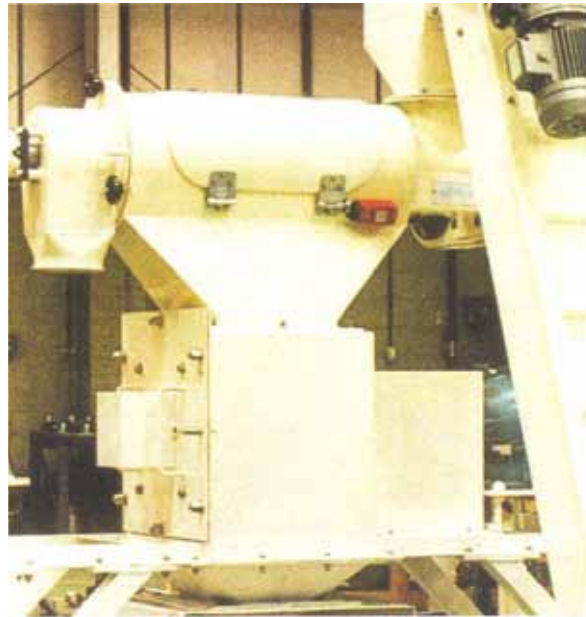
An automated means of:-

- Opening the packaging
- Removing the product from its packaging
- Separating product from the packaging
- Recovering re-useable product/collecting redundant packaging

**SOLUTION**

A de-packeting variant of a KEK Centrifugal Sifter, tailored to suit the precise needs of the customer, the application and the product/packaging combination concerned, comprising:-

- Feed hopper with steep inclined sides and large outlet to prevent bridging
- Special serrated feed auger to cut open the packaging



- Rotating scroll to separate the product from its packaging and to promote flow through the sifter
- Sifting screen of a size and type to deliver the product to one discharge point and the waste packaging to another.



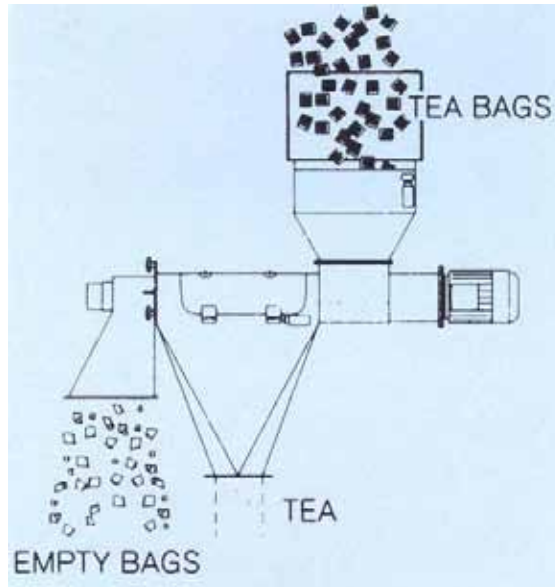
KEK Cone Mills are an ideal partner for Centrifugal Sifters on de-packaging applications. They are specifically designed to mill food products which are heat sensitive, moist, fatty, sticky or otherwise difficult to mill.

### BENEFITS

- Eliminates a potentially labour intensive operation.
- No risk of product contamination from operatives.
- Totally contained, dust-free operation.
- Cost effective means of recovering good product which would otherwise go to waste
- Reliable, low maintenance, low running cost equipment.

### CONSIDERATIONS/ LIMITATIONS

- 100% separation may not always be possible, according to the packaging material and its reaction to the serrating scroll, a small amount of packaging may find its way through the screen with the product. This can often be easily removed by an airstream separator.
- Some particularly friable products may become damaged or more damaged as a result of de-packaging. After further processing, these can often become an ingredient recycled into the original product or introduced into some other product line.



### APPLICATIONS

- Boiled sweets
- Tea bags
- Coffee sachets
- Other instant drink sachets
- Sugar sachets
- Sachets of condiments as used by airlines etc.
- Packaged biscuits
- Washing powder tablets
- Soup packets

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