



**ECO  
PACKAGE**



## TOOL KIT BOX

**Company:** Jebesen & Jessen Packaging (S) Pte. Ltd.

### a) Descriptions:

There are 29 types of accessories (such as gas pipe, PET pipe, instruction manual, various type of screwdriver, clip, USB cable, glue, bracket, filter, different type of screw and nuts, adjustable clip light and etc.) which are different in size, weight, shape, quantity and part number.

### b) Material:

A tool kit box using corrugated paper carton and paper inserts has been designed to pack the product and the 29 different types of accessories.

### c) Size:

The overall size of the package is 495mm x 390mm x 120mm.



### d) Inspiration:

The design must be able to hold all the different of types of accessories and made sure it can be easily remove and put back after used. A double sided tape rail will be laminated onto the corrugated insert and we have used zip lock bag to hold all the tiny accessories and smaller tools. Customer can locate and remove the bag of the parts they need to use and put it back and secure it easily.

## REFLEX MULTIPACK CUSHION FOR WD DRIVES

**Company:** Reflex Packaging (S) Pte. Ltd.



**Description and Function:** Our Reflex cushion is a patented thermoformed type of cushion made using recycled materials and engineered to provide product protection and environmental sustainability. It utilizes less space required for warehouse storage and since the cushion is stackable, it also uses less space on a shipping pallet which saves logistic costs.

**Material:** Our Reflex cushion is produced using recycled polyethylene materials which support green initiatives for environmental sustainability. Our material is 100% recyclable and reused to produce a raw material therefore utilizes fewer resources.

**Size:** The Reflex Multi Pack Cushion for WD Drives has an overall assembled package size of, 502 x 280 x 231 (L x W x H).

**Inspiration:** The overall inspiration and purpose of our Reflex Cushion is to meet customer requirement while also ensuring that our product is environmentally sustainable. To achieve this, we are able to design a protective cushion as per customer required specification at the same time introducing a saving on cost and also saving the environment.





Singapore

## LEICA "SPIDER" STEREO MICROSCOPE

**Company:** Leica Instruments Singapore Pte. Ltd.

### Description:

- 50% reduction in transport size; annual reduction of 60,000kg CO2 emission
- 100% elimination of fillers, tapes and overpacking cartons Design for Manufacturability
- 78% packing time improvement
- 46% foam production time improvement
- Ease of packing with "mirror image" design

### Design for Customer Experience

- Ease of unpacking
- Less wastes disposal

### Material:

- Unbleached corrugated paperboard with single color printing
- 100% recycled polyethylene foam
- 15% CO2 emission reduction from foam manufacturing processes
- 41 trees saved annually through overpacking cartons elimination
  
- Dimensions 47 x 29 x 56 cm 42 x 35 x 26 cm
- Gross Weight 5.5 kg 4.0 kg
- Volume 0.08 m3 0.04 m3 Chargeable weight 13 kg 6.5 kg 50% reduction

### Inspiration:

- Key drivers in Leica's packaging re-designing activities
- Deliver "SPIDER" stereomicroscopes to End Customers in the most cost-effective transportation mode with highest level of Customer Experience and minimal environmental impact
- Reduce waste-to-landfill through designed-in recyclability
- Joint activity between Product Manufacturer and Packaging Supplier to drive breakthrough packaging concepts from end-to-end supply chain flows with "Green" factors in mind





# CASHEW NUTS WITH ECO FRIENDLY KOLAPATH PACKS - OVAL AND SQUARE



Sri Lanka

**Company:** Green Way Asia Lanka Pvt. Ltd.

Due to the accelerated increase of waste generation, many organizations have made it their goal to promote environmental awareness. Manufacturing plants have also started doing their share for the preservation of the environment and many have opted to implement environmentally friendly packaging for their products.

Green packaging, sustainable packaging, eco-friendly packaging are just a few of the names to refer to packaging that has been manufactured with consideration of the environment. As a great solution for this Green packaging concept, we GREEN WAY ASIA LANKA PVT LTD have invented great packaging Cashew nuts with Eco Friendly Kolapath Packs.

"Arecanut leaf sheet" part use for the packing.

Botanical name is Areca catechu which grows in much of the tropical Pacific, Asia, but the palm is believed to have originated in either Indonesia/Malaysia or the Philippines. Literature says, Leaf sheet (kolapath is a part of leaf) contains Alkoloids such as Aricadineand Arecoline and Condensed Tannines which can reduce growth of the fungus.

While processing we use high pressure and high temperature and steam. And it's could sterilized the pack. Approximately processing steps are as follows,

- Collect raw Arecanut leaf sheets
- Clean it and cut
- Use different molds for different sizes
- Use pressing machine by hydraulic force with high heat steam and high pressure.
- Temperature is 140 - 160 degree Celsius
- Pressure is 4-5 bar for 15-18 min

And Kolapath pack is covered by MST cellophane (Moisture-Proof Sealable Twistable) packing material.

## Size:

