

# Packaging Case Study



## PROJECT DESCRIPTION:

Monitor for global provider of industrial automation and information products.  
Customer needed to reduce G levels due to increased component fragility

## PROJECT SPECIFICATIONS:

Test Method: Customer Spec    Product Weight: 4,5 kg

Drop Height: 50 cm

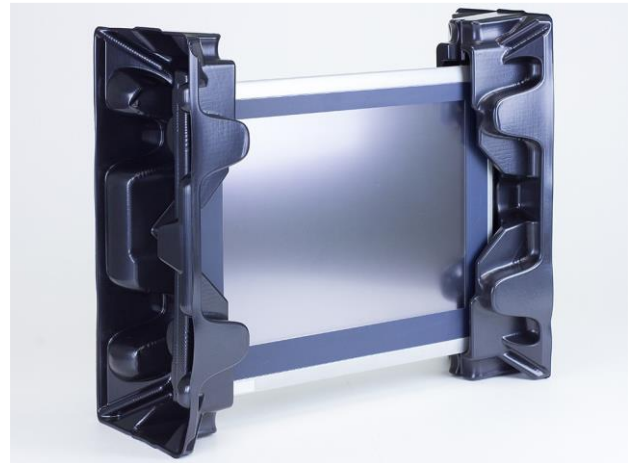
Fragility: 50 G's

### ORIGINAL PACKAGING SOLUTION



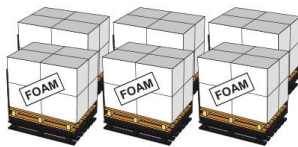
Foam in Place Packaging

### REFLEX® PACKAGING SOLUTION:



Reflex® Thermoformed Endcap Cushions

VS



Foam Cushions do not nest & use a lot of space



Reflex® Cushions nest saving 85% warehouse space

VS



\*Foam Carbon Equivalent/1000 pkgs = 0.11 tons CO<sub>2</sub>

VS



\*Reflex® Carbon Equivalent/1000 pkgs = 0.01 tons CO<sub>2</sub>

## REFLEX® PACKAGING ADVANTAGES:

Reflex thermoformed protective cushions are formed around the specific dimensions of a product and engineered to meet its shock protection requirements. They are nestable and so save up to 85% of warehousing space vs foam.

|               | Facility Space Savings | Recycled Content | Reduced Material Cost | More Units per Pallet | Carbon Footprint Reduction | Reduced Damage Rates  |
|---------------|------------------------|------------------|-----------------------|-----------------------|----------------------------|-----------------------|
| Reflex® Value | 85%                    | <b>100%</b>      | 3% Cost Savings       | 100%                  | 91%                        | Up to 67% Reduced G's |

\*Emissions calculations according to EPA document EPA530-R-04-004 ReCon Calculator for MTCO<sub>2</sub>E. US Environmental Protection Agency.