

Product Development



Custom product design and development



Over 60 years of design and manufacturing experience mean Nelipak[®] designers understand the need for pack performance, functionality and product protection.

Packaging needs to do more than protect the product. Engineering sustainability is vital to our design teams. Every solution is designed to save energy and material in production and reduce shipping volume. Ergonomic designs save time, labour and waste in hospital recycling streams.

Nelipak Services:

- Medical Packaging
- Sealing Machines
- Validation
- Product Development
- High Performance Applications
- TransportTotes
- Medical Rigid
- Robot Handling Trays
- Total Packaging Solutions



Product Development

From concept to prototype to reality; solutions that meet your needs

Nelipak® teams do more than design a package. We provide a systematic approach to the packaging process resulting in efficient design, material use, pack configuration, handling, shipping and end user costs. This results in:

- Lowering packaging ownership costs to the MDM
- Sustainability - efficient use of energy and material during manufacturing
- Elimination of waste during production and optimal waste recycling for hospitals
- Optimum functionality for all users
- Optimum volume and efficient logistics

Development starts with our experienced staff providing concept sketches or digital images and is followed up with detailed CAD drawings and prototypes. As the project progresses, pre-production items are made and tooling is built, tested and finally put into full production.

For sealed blisters and trays we assemble test sealing dies to test functionality for a range of lid stock. Tooling validation confirms machined tools fit the purpose. Validation lab tests to ISTA and ASTM standards provide data and conclusions for regulatory body registrations.

BENEFITS

- Award winning packaging innovation
- Experienced design / tooling teams in-house
- Design centres in North America and Europe
- Value engineered cost saving solutions:
 - Package reduction
 - Waste reduction
 - Reduced handling
 - Optimised shipping loads
 - Ergonomic design reducing labour
 - Sustainable recycling
- Life cycle analysis
- Tooling validation
- Product validation

DIVERSE CAPABILITIES

- Sealing machines - table top / rotary
- Validation studies - transport / quality
- Lidding material stock - printed / unprinted
- Cartons - printed product shippers
- Die cards - HDPE mounting cards
- Contract packing - assembly / packing
- Material supply

NELIPAK® IN ACTION

A provider of artificial heart valves, was looking for a packaging solution which met the demands of their manufacturing process and presented their innovative product in a user friendly manner. The range, consisting of 3 size variants, had to be assembled, protected and stored in a liquid container using a universal concept. During surgery, the pack design needed to aid the cardiologist in the preparation of the device prior to implantation. Nelipak developed a unique thermoformed pack using liquid resistant materials. The solution, which involves a cut and fold construction, encompasses and holds the valve in place when assembled, so protecting it during transportation and storage.



VALVE PACK

Contact the Nelipak® Product teams at:

Nelipak® Corporate Head Office

21 Amflex Drive, Cranston
RI, 02921 USA

P +1 401 946 2699

E info@nelipak.com

Americas Offices

Whitehall, PA
P +1 610 261 2100

Phoenix, AZ

P +1 602 269 7648

Liberty, NC

P +1 336 622 2100

Caribbean Offices

Humacao, PR

P +1 787 285 2100

Heredia, CR

P +506 22 393 856

Europe Offices

Venray, the Netherlands

P +31 478 529 000

Galway, Ireland

P +353 91 757 152



www.nelipak.com