

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
- Transport Totes
- 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.

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

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