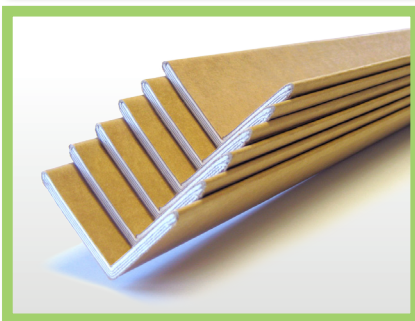
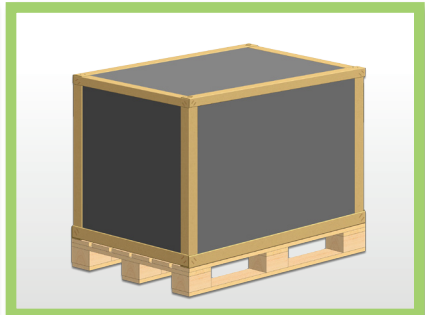
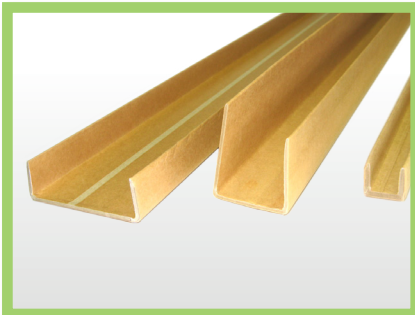


ELTETE

TRANSPORT PACKAGING SOLUTIONS



About the company

The market is changing, growing bigger and more international all at the same time. This sets great challenges and requirements for packages, packaging materials and logistics. Current and future packaging trends dictate that the field should develop its own values, in which materials and recyclability dominate.

We are constantly creating new products and solutions to serve our customers better than ever. The Global business of Eltete TPM Ltd guarantees that the customers receive the same service wherever they are.

Eltete TPM Ltd Transport Packaging Materials

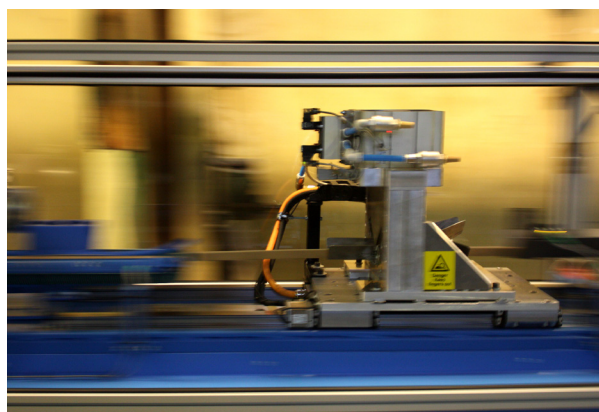


Eltete TPM Ltd (Transport Packaging Materials) with headquarters in Finland is a global carton board refiner, a supplier of 100 % recyclable transport packaging material and a machine producer. With experience since 1974 we follow the needs of the market today.

Innovative and high quality packaging solutions out of compact carton board are being offered in more than 60 countries through the Eltete sales organization.

With 19 production sites in 15 countries, Eltete TPM is the world's leading producer of sustainable carton board transport packaging materials and solutions.

Eltete TPM Ltd Engineering



Eltete TPM Engineering designs, markets, manufactures and installs all the machinery needed at modern transport packaging material production plants, with more than 40 years of experience focusing in latest technologies for creating reliable, flexible, and efficient machines to meet the demands of today's ever-changing market.

Eltete TPM Engineering can offer its partners and customers unique know-how covering the Transport Packaging Materials sector from A to Z beyond mere machine sales.

ästät luontoa

Your global partner locally

Eltete headquarters are located in Finland. Eltete Group member and partner production sites can also be found in Sweden, Russia, Poland, Lithuania, France, Spain, United Arab Emirates, India, Japan, China, Vietnam, Malaysia, Argentina and Colombia.

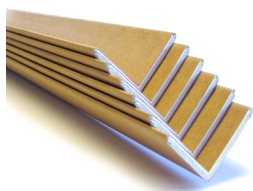


Global Partnership is strength!

Our global know-how and partnership is transformed to strength, new ideas, development and specialisation. Through partnership, a better service can be provided both globally and locally.



Recycling; Your contribu



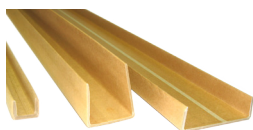
EDGEBOARDS AND PACKAGING PROFILES

Many traditionally used packaging materials do not give enough protection against hard impacts and even a small scratch can lead to a claim for compensation. Reinforce your packaging and protect your product with edgeboards. They are delivered ready-cut to the correct length and they can be combined with stretch foil, shrink wrap and strapping. The quality, size and strength are chosen individually for each use. Qualities can be chosen from bio-qualities, which are laminated with water-soluble PVA glue, to HS-qualities (heat-sealed) which are suitable for humid conditions. Packaging Profiles have been developed for more demanding conditions.



WA - EDGEBOARDS

WA-edgeboard (wrap around) is especially designed for rolls, round tables and other round or irregular objects. Due to numerous quality and size options, a suitable solution can be found for both heavy duty and very light applications.



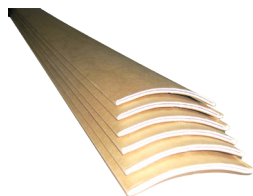
U-PROFILES AND FLEXPROFILES

Protective edging that can take more than a knock - the perfect 'shock absorber' for your products! Reinforce your products with a protective U-profile that is both robust and economical! Damage to corners and sides during transport and storage causes extra expenses and problems. U-profiles are compressed using specially selected, plain kraftliner with water-soluble glue. These constituents make the U-profiles 100% recyclable - a prerequisite for today's packaging materials.



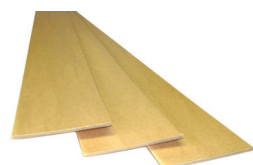
FRAMEPACK® - Transport Packaging Solutions (TPS)

Strong - flexible - ISPM-15-compliant - 100% recyclable - one material packaging. Innovative Eltete solutions are providing companies worldwide with an optimal compact carton packaging solution. By combining different elements from our range of products, we can provide each customer with exactly the correct packaging for their needs. It can be a frame with a carton pallet or it can be another combination that will satisfy the requirements. Our know-how is based on careful planning and experience over many years.



C-PROFILES

The C-profile was developed as a solution for traditionally difficult round corners. These products need to be palletized and protected from impacts as well as from strapping tension. With C-profiles you can easily protect and strengthen pallets containing bottles, cans, drums, barrels, paper rolls, textiles etc.



FLATBOARDS / DIVIDERS

The Flatboard is a 100% recyclable cartonboard product designed to replace materials like hardboard, MDF and chip board, which are hard to recycle. Due to its strength, size and quality, flatboard is a product with endless possibilities.

ation to the Environment



PALLRUN®

PallRun® is a 100 % recyclable cartonboard pallet foot for replacing wooden or other kinds of palleterunners/pallets, wherever possible. It is a combination of compact cartonboard (U-profiles) and stabilisation elements (cores). The surface of the U-profiles is reinforced by wet strengthened kraftliner giving high protection for humidity. PallRun® needs no treatments like wood.



HONEYCOMB BOARD

Honeycomb board is being used as top board for carton pallets as well as cushioning material for other applications in transport packaging. Thanks to its hexagonal shape, it is light, but at the same time has extraordinary strength properties.



THE BOX

A combination of honeycomb board, packaging profiles and PallRuns® makes a light but strong box. It is a good choice for substituting heavy wooden and plywood boxes. Easy to assemble, handle and recycle, it is often used as an export packaging unit.



APPA® CARTONBOARD PALLETS / PAPERPALL

Our APPA® Carton pallet is assembled using the Eltete PallRun® and different elements as the top layer (edgeboards, flatboards, corrugated board, honeycomb or other similar supporting structure). 4-way and 2-way pallets are available, size/model options are flexible.



EDGERUNNER®

This combination of PallRun® and edgeboard is an excellent, cost-effective alternative for replacing standard pallets. EdgeRunner can be placed directly under a box, shop display or other application. Different height options maximize space use which allows you to load more.



SLIP SHEETS

Slip Sheets/transfer sheets are made of wet strengthened high-quality kraft liner. The multi-laminated material makes the Slip Sheets extremely tear- and moisture-resistant. They can be used as a substitute for traditional pallets. This transport and storing system without pallets is suitable for such application as overseas shipments and intra-corporate deliveries. Slip Sheets are already being used by many different businesses for a wide range of products.



DUNNAGE BAGS

Dunnage Bags can be used in containers, trailers, trains and ships. The concept of Dunnage Bags is to be a cushion, protect loads against impact, brace the load and prevent movement. Our re-usable valve allows the re-use of the bags. Inflating time is minimum, which makes it possible to save on labour costs. This makes Dunnage Bags a very economical system for securing loads.



Recycling; Your contribution

Eltete TPM Ltd Engineering

Eltete TPM Ltd. Engineering, is the world leader in technology to produce paper based Transport Packaging Materials, including automatic paper pallet production, edgeboard machine, honey comb board production, The Box manufacturing and U-profile machine lines. Furthermore, a range of special machines are designed to complete the main lines (Wrap-Around edgeboard, U-profile slotting/FlexProfile, slitters-rewinders etc.).

The Engineering division is placed in Finland in the company headquarters where modern design tools are used to convert ideas to 3D simulations and prototypes which are tested in Eltete TPM own production facility prior finally launching the technology as a ready product to the market. Many of the production lines are unique in the world; there is no better way to produce pallet runners from paper than Eltete TPM's PRMF PallRun® production line.

Automatic Paper Pallet Assembly, APPA

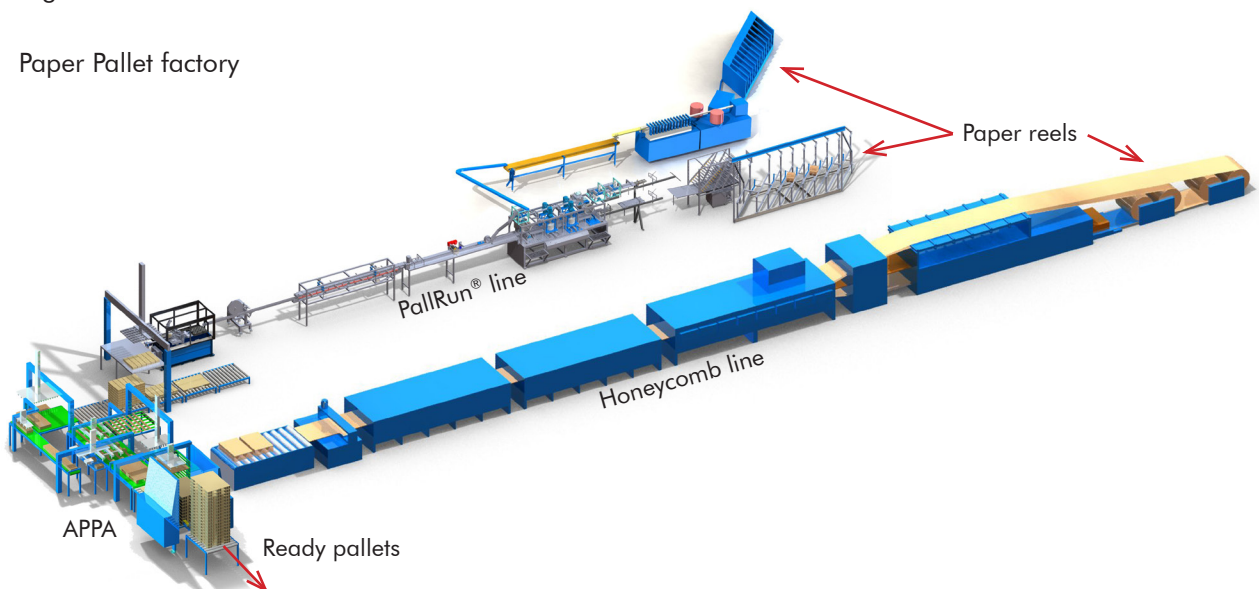
For automatic paper pallet manufacturing from ready components in a flexible, reliable and efficient way. One forklift driver is needed and the rest is automatic. PallRun®, Flatboards and suitable top boards are delivered to the system on pallets. APPA takes the components from the pallets and assembles them automatically, allowing one truck load of pallets to be manufactured every hour.



Paper Roll => Paper Pallet Technology

For manufacturing paper pallet components starting from paper reels and finally combining them into pallets using the online version of APPA.

Paper Pallet factory



Please visit www.eltete.com/engineering for information regarding other production lines.

ation to the Environment

Eltete and the Environment

Many companies have noticed that the new environmental restrictions must be taken seriously and they will have an effect on the decisions when choosing packaging materials. Traditional metal- and wooden frames or pallets are being replaced with carton packaging, which has no need for fumigation for insects.

High energy content material (EPS, plastic) is being reduced; material is being replaced with easily recyclable materials such as carton. An environmental way of thinking helps to transmit good company image.



Eltete TPM slogan 3R, Reduce-Replace-Recycle, is the key to a more environmentally friendly packaging accepted anywhere in the world without restrictions.



Cleantech Finland is a global leader in solving environmental challenges.



Quality is our strength.



The mark of responsible forestry

Promoting the responsible management of forests worldwide.

Benefits of choosing our products

- Savings in material and transportation costs
- Savings in warehousing, handling, labour and recycling costs
- Time saving in handling
- Flexible choices for achieving a strong, impact-resistant protection and an optimal packaging unit
- A visible package/product is handled more carefully
- Reduction of transport damage
- Light, but strong enough for stacking, can take loads up to 2000 kg
- Gives the possibility to use "single-material packaging"
- Environmentally friendly, clean and modern packaging gives good company image
- User-friendly, safer than wood handling
- End-user can easily dispose of the packaging material together with other cartonboard



EN13393 (Packaging Specification of Edge protectors).

Eltete TPM products are certified by the German recycling system and carry a ReSy symbol which guarantees the recycling ability of the packaging material.



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