Reduce, Reuse & Recycle

FROMM | SUSTAINABLE SOLUTIONS

Further information: www.fromm-pack.com

The Sustainability Strategy by FROMM

SUSTAIN ABILITY.

We actively strive, within all our capabilities, to develop and produce better products for a better planet.

Reduce, Reuse & Recycle

FROMM is one of the world's largest PET recycling companies. At our plant in the German town of Wolfen, we convert used PET bottles into a basic product with outstanding properties for the production of our polyester strapping, for new PET bottles (bottle to bottle) and other food packaging.

Our Commitment

But our quality thinking goes one step further: FROMM is committed to the environmentally sound use of resources, to the non-use of environmentally and health-damaging materials, to the efficient use of means of transport and to the sustainable reduction of direct and indirect CO^2 emissions.

Where applicable, sensible and possible, our plants are certified by ISO 14001 (Environmental Management System) and/or ISO 50001 (Energy Management System). Besides solar energy, our plastics production and Recycle facilities have controlled closed water circulation systems with internal filtration installed.

Wherever possible and efficient, the waste heat produced by production is used for internal heating and other purposes. We invest in reducing noise and dust as well as minimizing production waste and further processing of the materials.

Our Cooperation

Regardless of our commitment to environmental protection through recycling, green initiatives, new product development, and building partnerships with relevant nonprofit organizations and partner companies, we strive to keep our populations healthy and prosperous.

Our Vision

Reduce, Reuse & Recycle – Reduced resource consumption by better efficiency, reuse of products and recycling and conversion of materials. We do our part conscientiously and will continue to do so in the future.

We actively strive, within all our capabilities, to develop and produce better products for a better planet. Together with our customers, we will find the most practical and sustainable solution – where logistically possible and environmentally conscious, we bring the materials back to our recycling facilities or look for other ways to achieve sustainable responsible results.

Reduce resource consumption
Reuse products
Recycle and convert materials

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PRODUCTION

Controlled water circulation

Our plastics production and recycling plants operate with controlled, closed water circulation systems with integrated filtration. In some cases **recycled wastewater is used**. So we can almost do without high-quality drinking water in our production.

We will continue to make further efforts to reduce the amount of water needed, even more in the future.

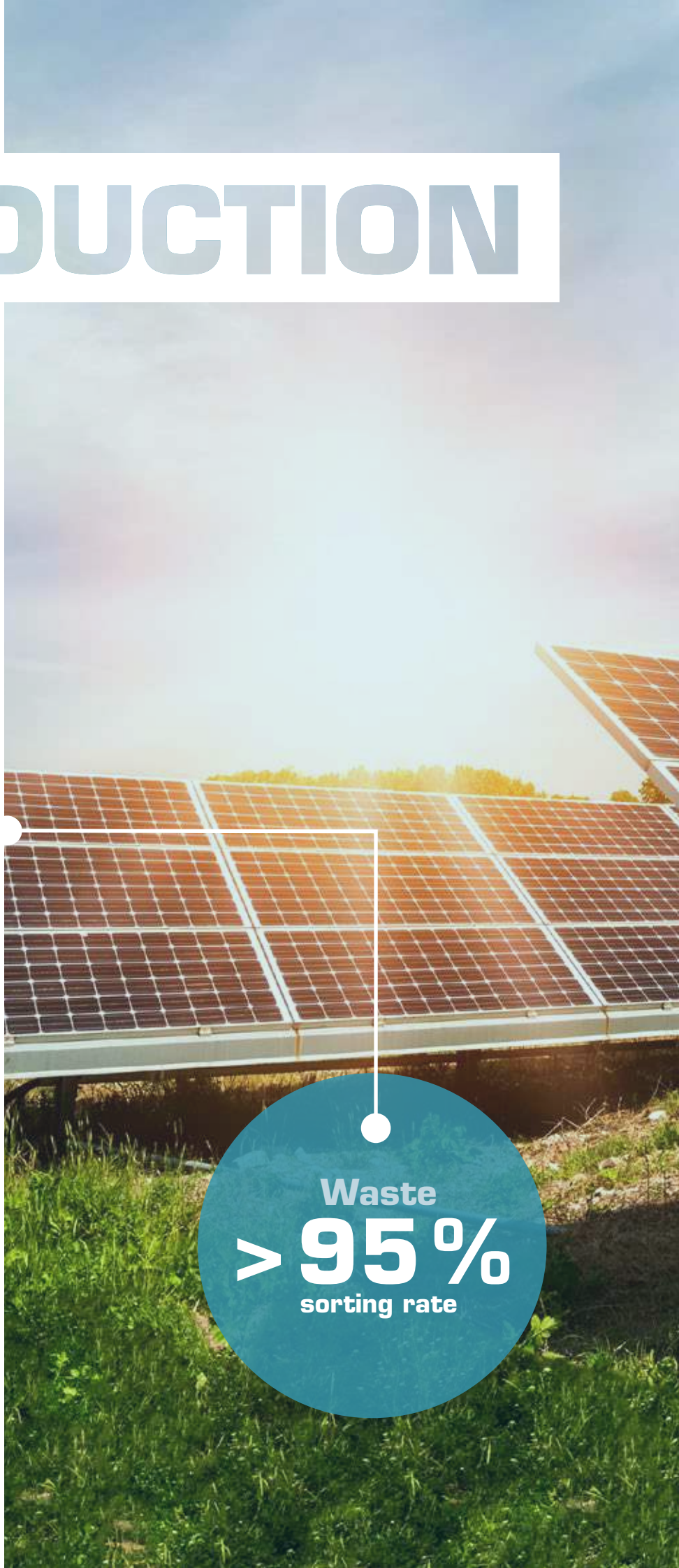
Certification

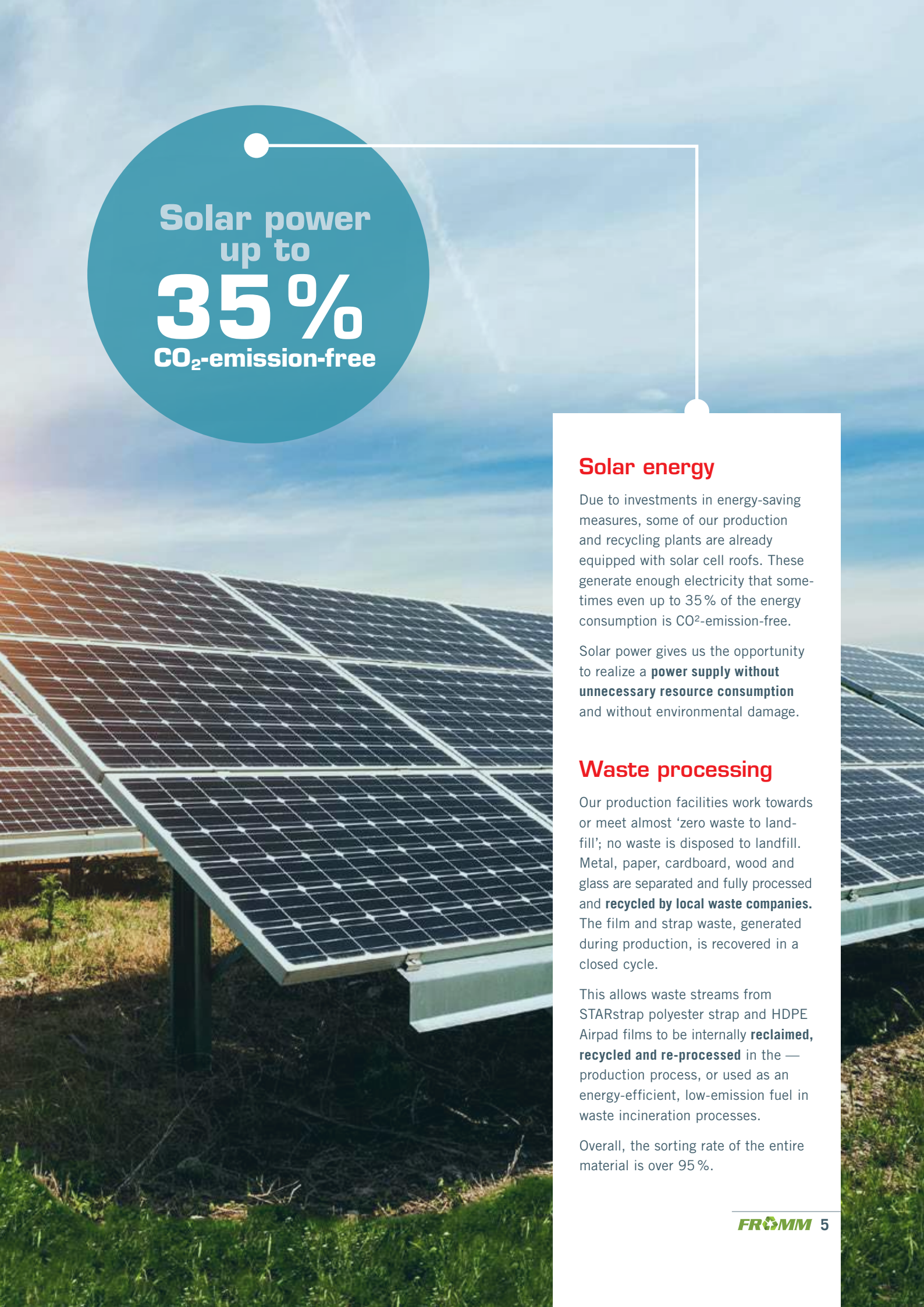
We understand our impact on the environment as an important responsibility. In order to achieve a further continuous improvement of our environmental performance, we have, where appropriate, reasonable and possible, certified according to the environmental management standard **DIN EN ISO 14001** and the **DIN EN ISO 50001** in the field of energy management system.

Noise and Dust

The reduction of noise and dust in our production facilities is part of our continuous improvement policy. In this way, we create an **optimal working environment** for our employees, meeting or exceeding the legal requirements – and of course also benefits our environment.

Environmental protection is a very important part of the social responsibility of our company.





Solar energy

Due to investments in energy-saving measures, some of our production and recycling plants are already equipped with solar cell roofs. These generate enough electricity that sometimes even up to 35 % of the energy consumption is CO^2-emission-free.

Solar power gives us the opportunity to realize a **power supply without unnecessary resource consumption** and without environmental damage.

Waste processing

Our production facilities work towards or meet almost ‘zero waste to landfill’; no waste is disposed to landfill. Metal, paper, cardboard, wood and glass are separated and fully processed and **recycled by local waste companies.** The film and strap waste, generated during production, is recovered in a closed cycle.

This allows waste streams from STARstrap polyester strap and HDPE Airpad films to be internally **reclaimed, recycled and re-processed** in the — production process, or used as an energy-efficient, low-emission fuel in waste incineration processes.

Overall, the sorting rate of the entire material is over 95 %.

PRODUCTS

Polyester Strap

STARstrap™ plastic straps belong to the lightest polyester straps available today, with up to 25 % less polyester base material.

The straps are manufactured in our production centers using up to 98 % **recycled polyester bottle material** on state-of-the-art extrusion lines. The majority of this recycled raw material is produced, amongst others, in FROMM's own plastic recycling plant Texplast GmbH in Wolfen. These plastic straps are therefore environmentally friendly and comply with the European Packaging Directive 94/62 / EC.

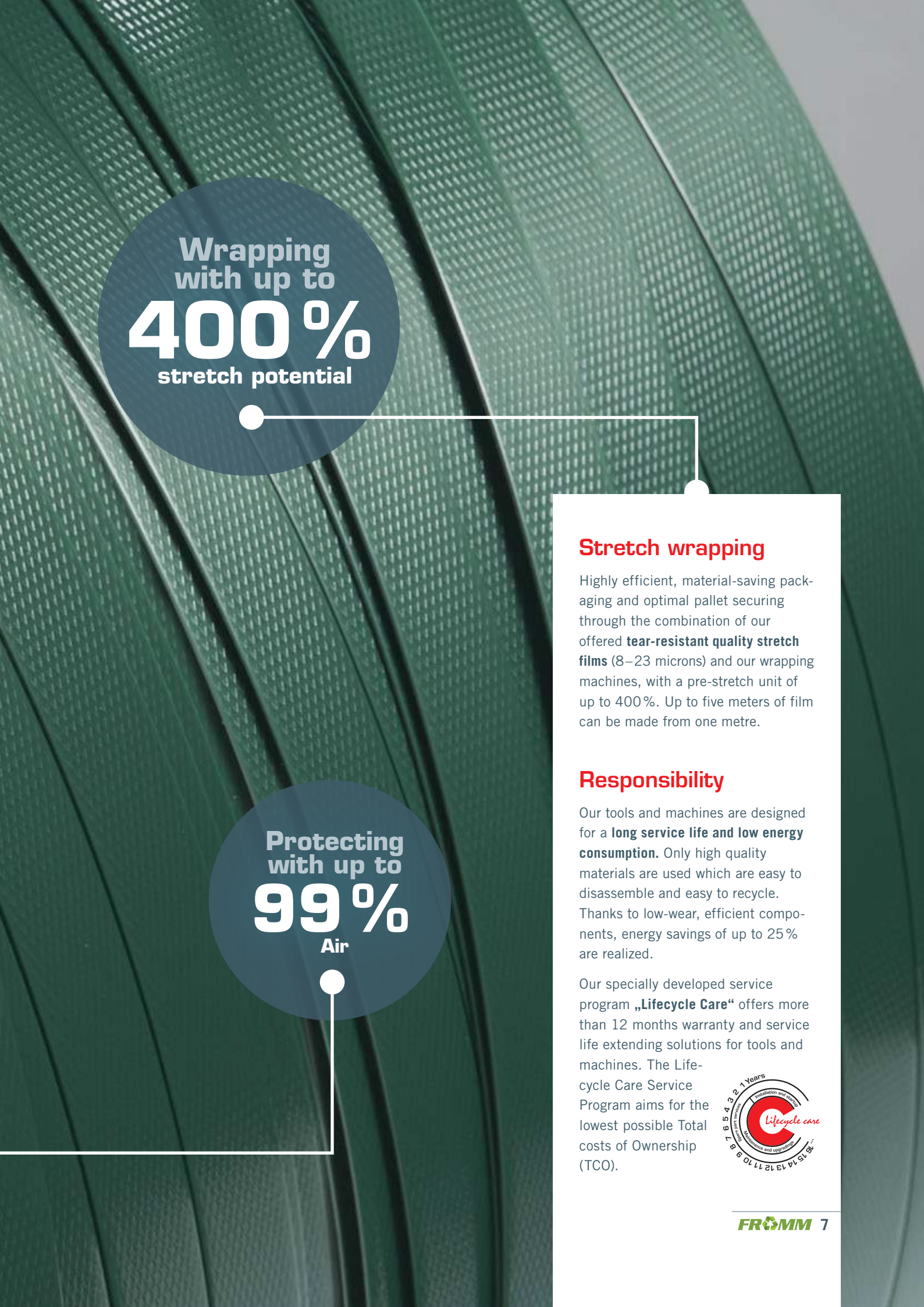
Through deliberate optimization of truck loads and the shortest possible transport routes for our raw materials, recyclates and end products, we try to limit the environmental impact as much as possible.

Strapping with up to 98 % Recycle share

Protecting with air

For our **Airpad air cushions**, we offer our customers special HDPE films (25 – 65 microns) with a recycling rate of up to 60 %, biodegradable films or paper alternatives that guarantee a high load capacity. The **intelligent cushioning system** consists of up to 99 % air – this saves a lot of weight, volume, costs and, above all, raw materials.

The **worldwide patented Airpad air cushion system** guarantees best protection, weight saving, transport costs reduction, minimum space requirement and high environmental compatibility.



Stretch wrapping

Highly efficient, material-saving packaging and optimal pallet securing through the combination of our offered **tear-resistant quality stretch films** (8–23 microns) and our wrapping machines, with a pre-stretch unit of up to 400%. Up to five meters of film can be made from one metre.

Responsibility

Our tools and machines are designed for a **long service life and low energy consumption.** Only high quality materials are used which are easy to disassemble and easy to recycle. Thanks to low-wear, efficient components, energy savings of up to 25% are realized.

Our specially developed service program **„Lifecycle Care“** offers more than 12 months warranty and service life extending solutions for tools and machines. The Lifecycle Care Service Program aims for the lowest possible Total costs of Ownership (TCO).

RECYCLING

PET-Recycling

Returned used PET bottles are converted in the FROMM recycling plant to **high-quality regrinds, regranulates and agglomerates** for the production of PET straps, food packagings, textiles and beverage bottles. FROMM recycled PET products meet or exceed the highest ecological and food industry standards.

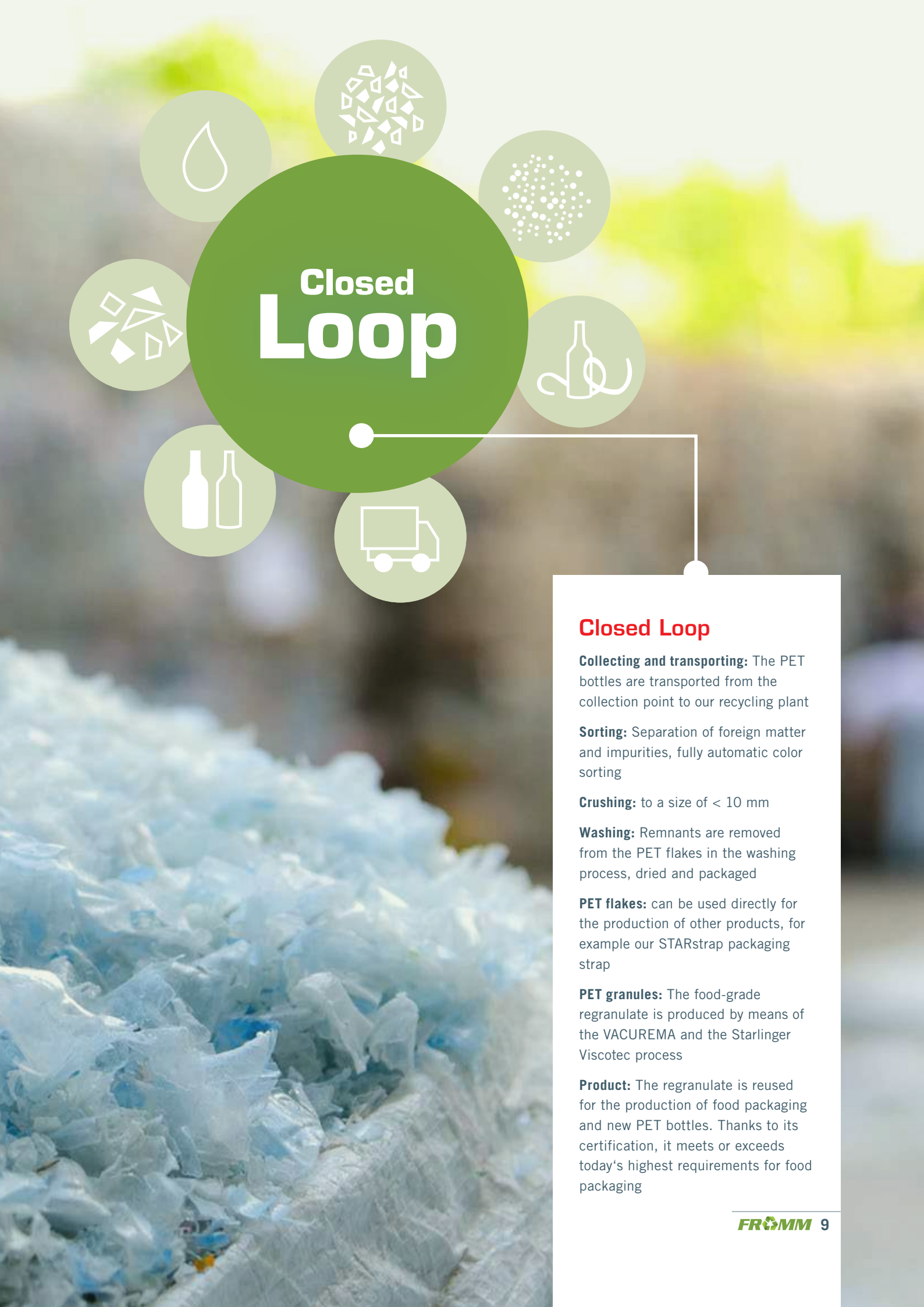
Texplast

The PET recycling company Texplast in Wolfen (Germany), has been a subsidiary of FROMM Plastics GmbH since 2004. Texplast produces **PET pellets and PET flakes.** We use the flakes for our own production of STARstrap PET strap and supply manufacturers of beverage bottles, food thermoforming films and fibers.

With an input capacity of over 50,000 tons of bottles per year, we are one of **rPET's leading recycling specialists in Western Europe,** especially for used beverage bottles.

Gelber Sack®

With the founding of a joint venture in cooperation with the Austrian food packaging producer ALPLA, FROMM is dedicated to the recycling of PET waste from the so-called „yellow bag". Which is the collection of Plastics from German households.



Closed Loop

Collecting and transporting: The PET bottles are transported from the collection point to our recycling plant

Sorting: Separation of foreign matter and impurities, fully automatic color sorting

Crushing: to a size of < 10 mm

Washing: Remnants are removed from the PET flakes in the washing process, dried and packaged

PET flakes: can be used directly for the production of other products, for example our STARstrap packaging strap

PET granules: The food-grade regranulate is produced by means of the VACUREMA and the Starlinger Viscotec process

Product: The regranulate is reused for the production of food packaging and new PET bottles. Thanks to its certification, it meets or exceeds today's highest requirements for food packaging

PEOPLE

Support

In cooperation with the Swiss sports club Grasshoppers Zurich, we have donated various sports materials such as jerseys, sports pants, etc. to children and **youth football in Malawi, Africa.**

With this we supported the **Zikomo Foundation,** which actively supports Malawian children. Giving them hope and perspectives, so that they can take their future into their own hands. More than 100,000 children are to be given access to **education, healthy food and sport.**

Sponsoring

As with our products and our corporate ethics, we attach great importance to quality and sustainability in our sponsoring.

In direct cooperation with Swiss Tennis and other sports teams, FROMM paves the way for young and aspiring talents. We support athletes who continue and follow the steps of the world's leading professionals such as tennis-pro Stanislas (Stan) Wawrinka*.

* For over 10 years, FROMM was sponsor of Stan Wawrinka.

Employees

Our employees are our greatest asset. We invest a lot in their **know-how and training** and can therefore count on the best qualified specialists.

Ultimately, our investment pays off in two ways: satisfied employees who feel challenged and encouraged and **dedicated employees** to whom we owe our innovative and pioneering products and services.

We strive to make a positive contribution to the society in which our employees live and work. Children, education, support for the disadvantaged and environmental sustainability are the most important aspects and cornerstones of our global social commitment.

We are always close to you

Think global, act local

We are close to you! Our more than 40 FROMM offices and a large number of specialized long term sales partners worldwide ensure professional advice, qualified customer service, reliable spare parts supplies and maintenance, with quick response times.

Think before you print.

FROMM offers you this folder only in a digital form. **Environmental protection** concerns us all! Paper is difficult to share – digital documents can be accessed at any time and from any location (Internet connection required).

So, think before printing and ask yourself the question whether or not you really need it on paper. And if you do – use recycled paper.

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Distributor

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