

EUROmilling

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Grinding

Mixing

Conveying

Filtration



Grinding. Mixing. Conveying. Filtration.

Whatever your challenge, we have the solution.

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Working closely
with our clients
is at the heart of
our success.

EUROmilling a/s is a specialist in grinding equipment for processing feed and advanced industrial materials.

Our extensive line of hammer mills, granulators, pre-crushers, and roller mills is specially designed from years of experience. We offer solutions and equipment for a wide variety of material size reduction processes within the Biomass, Food, Pharma, Chemical and Offshore industries.

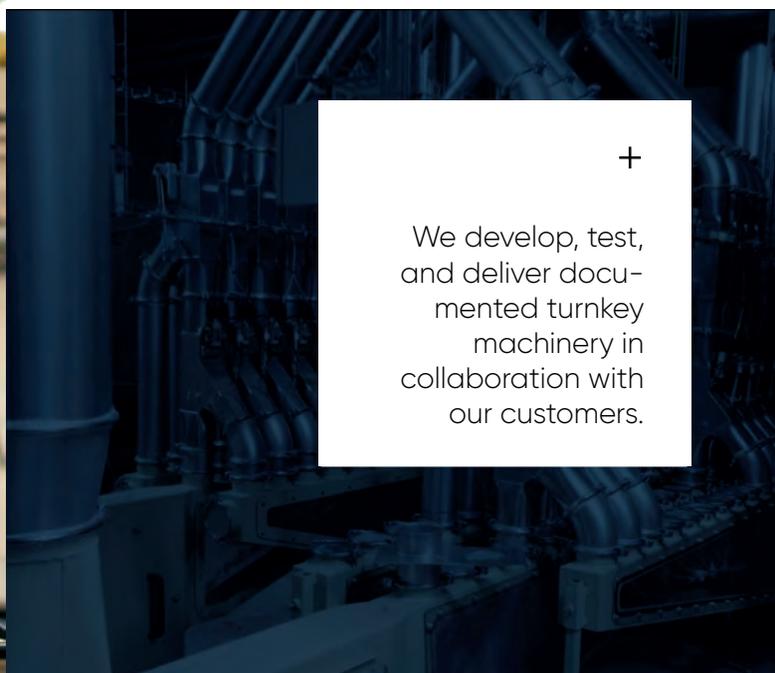
EUROmilling designs, develops, and manufactures custom-built solutions, whether these are a single mill or complete process plants. Our complete turnkey solutions include equipment for material storage, grinding, mixing, weighing, dosing, and transport of material applications.

Close collaboration is essential

At EUROmilling, we work in close collaboration with our clients to define and fulfil their core needs. Central to our work process, this partnership helps elevate clients' business through strategy, design, and development – ultimately allowing us to implement the very best solution to solve our clients' challenges and optimizing their processes.

Consulting and project management

Working closely with our clients is at the heart of our success. Whether we are building a process plant or a bespoke solution, development takes place in close collaboration with the customer.



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We develop, test, and deliver documented turnkey machinery in collaboration with our customers.



We are with you every step of the way to guarantee your every need is met, be it through continuous consulting, project management, design phase, installation, and aftermarket services. To ensure that our solutions meet the requirements, we have developed a project management system, which, among other things, ensures that all machine specifications are described before the construction phase begins.

The system also ensures that there is traceability of all significant decisions throughout the project, and that the customer is kept up-to-date at all times.

Technical product development and construction

EUROmilling has a permanent staff of skilled product developers and engineers who work with the most modern drawing programs on the market, which means that today we exclusively use 3D programs for development and construction. Among other things, this gives us the opportunity to showcase our constructions as an e-drawing, giving our customers a full overview of the machine systems.

Experts in biomass.

EUROmilling manufactures hammer mills for biomass and complete process plants, for grinding of fibrous materials – for example wood pellets, wood chips, straw, pulp, paper, as well as residues from agriculture and other industry. We supply special equipment for fine grinding of biomass with a high moisture content. In the power plant industry, many energy services seek to replace parts of the oil and coal fuel with biomass, including wood pellets and chips, as well as wet wood chips.

Take a closer look at a top-of-the-line hammer mill

Part of our wide range of specialized hammer mills, the EUB mills UNIT offers a simple and effective complete grinding solution. The hammer mill integrates all functions in the grinding process into one solution: hammer mill, self-cleaning nozzle filter, ventilator, and hopper, including empty auger. These are constructed and dimensioned to work together in any grinding solution.

The hammer works by grinding products into smaller particles. In the process, the

product is led to the mill via conveyor belt, auger, or similar equipment, which can be capacity regulated by means of a frequency converter. When the product falls into the grinding chamber, it is split up into smaller particles by rotation of the hammers. Replaceable, wear-resistant brake plates in the top part of the grinding chamber stop the rotation of the product and increase the grinding efficiency.

- Motor size up to 450kW
- Capacity: > 15 ton/hr.
- Energy consumption: By replacing competitor equipment with EUB units, we have achieved energy savings of 61%

All EUB hammer mills can be delivered with wind sieve, which is a simple solution to sieve stones and metals away.

Service and maintenance

EUROmilling offers service contracts on systems and machines that contain fixed service intervals, ensuring maximum uptime and optimal operation of the machine.

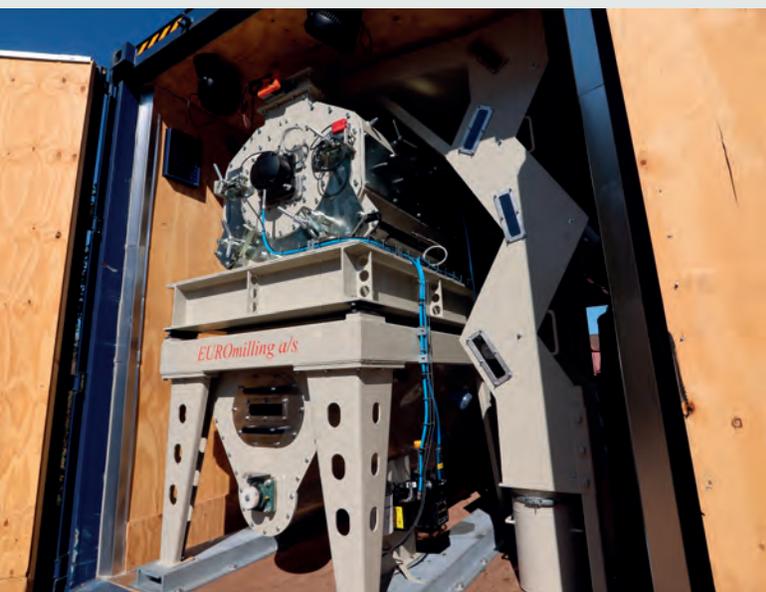


Reference

Stora Enso

In collaboration with Stora Enso, EUROmilling has developed a solution for the production of wood fibers for biocomposite materials as a replacement for fossil-based plastics. Biocomposite combined with bioplastics used as a raw material may reduce the carbon footprint of the product by up to 80% in comparison with virgin plastics.

The solution has come about after extensive clarification and testing work in order to be able to produce a fiber with the right structure in a production plant. The plant consists of a raw material intake, fiber production units with metal and stone separation, Bigbag filling stations.



Reference

Amomatic Finland

Together with Amomatic Finland, one of the world's leading suppliers of asphalt plants, EUROmilling has developed a modular biofuel system using dust burners for use in heating kilns and boilers. The plants are made to be capable of handling many different types of biofuel – wet wood chips, straw, pellets, and residual products from agriculture.

The solution can also be employed in a decentralized manner for local district heating plants. We are able to make wood powder plants from 300kW to 38MW.





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Pioneering a Sustainable Energy Future



Straw to biogas from bales.

A Revolutionary Solution from Euromilling

Accelerating Biogas Production

Grind Your Biomass for Optimal Fermentation

Unlocking the full potential of biogas production requires a strategic approach. In this section, we explore the critical role that finely ground straw plays in speeding up the biogas production process, leading to a more efficient and sustainable energy generation.

Biogas production, at its core, is a microbial digestion process. Microbes break down

organic matter, like straw, into methane and carbon dioxide.

To maximize this conversion, the key is to create optimal conditions for these microorganisms to thrive.

Contact Us

For more information about our revolutionary "Straw as a Booster to Biogas" solution or to discuss your project needs, please contact.





Advantages of Our System

Our "Straw as a Booster to Biogas" solution offers numerous advantages

Fast Conversion Time:

Efficiently converts straw powder in the reactor.

No Digester Supernatant floating layer:

Eliminates the need for digester supernatant management.

Moisture-Resistant:

This system can handle straw with high moisture content that is typically unsuitable for combined heat and power plants.

Automated Operation:

Requires minimal handling of straw bales as the entire system runs automatically.



Unleash the Power of Innovation in Your Food Production!

Our Comprehensive Solution

Collaborating closely with a food industry client, we've developed a project solution enabling the mixing of raw materials with various allergens and allergen-free mixtures within the same plant. Together with the client, we selected a CIP system for efficient system cleaning, significantly enhancing production time. Our powder and granule mixing process involves recipe-based mixer control with fully automatic dosing in the desired order, along with intermediate blends for sensitive ingredients. We ensure optimal results by crushing raw materials before mixing oil and sugary products, achieving a gentle and homogeneous mixture despite variations in density and particle size.

Tailored Solutions, Maximum Flexibility:

- Mix raw materials with different allergens and allergen-free mixtures—all within the same plant!
- Custom project solutions crafted in close collaboration with you, ensuring seamless integration into your production process.

Efficiency Boost Through Streamlined Cleaning:

- Our collaborative approach with clients led to a CIP system for efficient cleaning.
- Significantly streamline your cleaning process, unlocking higher production times and maximizing operational efficiency on your plant.

Precision Mixing for Perfect Results:

- Mixer control based on recipes, featuring fully automatic dosing in the desired order.
- Intermediate blends for sensitive ingredients, ensuring precision and consistency in every batch.

Optimal Homogeneous Mixture Every Time:

- Crush raw materials before mixing oil and sugary products for optimal results.
- Achieve a gentle mixture, overcoming differences in density and particle size with finesse.



How Does This Add Value for you?

- Enhanced Flexibility: Seamlessly adapt to different production needs with allergen mixing and allergen-free options.
- Increased Production Uptime: Streamlined cleaning processes lead to higher operational efficiency and extended production times.
- Consistent Quality: Precision mixing and gentle blending ensure an optimal homogeneous mixture, maintaining high-quality standards.
- Safety Assurance: Air transport, sieve, and metal detector dosing guarantee the safety of your products and processes.
- Our solution includes approved ATEX solutions, thorough risk analysis, and detailed documentation, providing a strong and reliable foundation for your operations.

Choose a future where innovation meets excellence in food production. Elevate your operations with our bespoke project solutions—your gateway to unparalleled efficiency, quality, and safety!

Total solutions for the food industry.

Ever since our founding in 1994, we have manufactured process equipment for the food industry, building extensive experience in supplying equipment and total solutions to the sector. We guarantee that the food contact material is manufactured in accordance with current legislation: EU regulation 1935/2004, as well as Danish rules on materials and objects

intended for contact with food. Our complete plants include equipment for shredding, milling, mixing, storage, weighing, dosing, as well as mechanical and pneumatic transport of various materials, ingredients, and powders for the food industry. Euromilling designs and manufactures equipment and total solutions with Clean-in-place (CIP) technology.



Reference

Nordvästra Skånes Renhållning Sweden

We have just finished this unique project in Sweden, at Nordvästra Skånes Renhållnings AB's biochar facility. Euromilling has designed, produced and delivered a complete solution including the control system for receiving, grinding, drying and storage of biomass, which will be integrated into NSR's production system for biochar.

The project is designed with a unique grinding-process, where up to 95 degrees water is

used for air-heating of both the grinding- and the drying-process. This setup reuses energy for the grinding and drying process, as well for NSR's system for biochar.

Compared to a traditional designed facility, this setup is very energy-saving and the whole facility gives a massive reduction of the CO2 emission.



In-house testing centre

At EUROmilling, we offer to perform grinding tests of your material at our in-house, full-scale testing centre. Here, we can show you the capacity, particle size distribution, and the possibilities of using our grinding plants. A grinding test is crucial in determining the optimal solution for your project.

The test can be performed on a full-scale milling plant.

We also make Factory Acceptance Test of your milling plant, before delivery.



Reference

Project solution for client in food industry

Working closely with our client, we developed a project solution for blending raw materials with diverse allergens and allergen-free mixtures on the same plant.

Collaboratively selecting a CIP-based system cleaning solution has greatly streamlined the process, leading to increased production time on the plant.

Mixing powders and granules for food

The control of the mixer is based on recipes with fully automatic dosing for the mixer in the desired order, and with intermediate blends for sensitive ingredients.

Crushing of raw materials before mixing oil and sugary products. Gentle mixture with optimal homogeneous mixture even with different density and particle size. Dosing with air transport through sieve and metal detector.



EUROmilling

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