Straw to biogas.

Straw to biogas from bales.

Euromilling and Linka Energy Unite to Showcase Revolutionary "Straw as a Booster to Biogas" Solution.

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

Euromilling, a leader in sustainable energy solutions, is proud to announce its collaboration with Linka Energy, a renowned expert in biomass technologies. Together, Euromilling and Linka Energy are poised to introduce their groundbreaking "Straw as a Booster to Biogas" solution, which promises to revolutionize the biogas industry and contribute significantly to a cleaner and more sustainable energy future.

Straw as a Booster to Biogas

In the quest for sustainable energy solutions, the union of straw and biogas emerges as a powerful alliance. This page introduces the innovative concept of utilizing straw to significantly increase biogas production while underlining the remarkable environmental advantages it brings.

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

The Power of Straw

Traditionally considered an agricultural waste product, straw is undergoing a remarkable transformation. Instead of being discarded or burned, it's now recognized as a valuable resource in the world of renewable energy. By incorporating finely ground straw into the biogas production process, we can accelerate and optimize fermentation in the reactor.

Environmental Benefits

Using straw as a biogas booster isn't just a smart choice; it's a responsible one. Here's why:

Waste Reduction: By repurposing straw, we reduce agricultural waste, minimizing its impact on landfills and emissions from open burning.

Carbon Neutrality: Straw is a renewable resource. The carbon dioxide released during its decomposition is balanced by the carbon absorbed during its growth, making it a carbon-neutral fuel source.

Energy Efficiency: Straw enhances biogas production, ultimately generating more clean energy from the same input materials.

Reduced Dependency on Fossil Fuels: Increasing biogas production with straw reduces our reliance on fossil fuels, contributing to a cleaner and more sustainable future.

In the following pages, we delve deeper into the mechanics of using straw to accelerate the biogas process, the complete turnkey solutions we offer, and the extensive support we provide to ensure your success in this eco-friendly journey.

Shared Knowledge.

Our Comprehensive Solution

Euromilling and Linka Energy offer you a comprehensive solution, where they can provide you with everything you need, to effectively convert straw bales into high-quality straw powder.
Our total solution includes:

- **Overhead Travelling Crane**:
  Fully automatically straw crane delivers the straw bales without operations staff.
- **Straw Conveyor**:
  Fully automatic straw conveyor system.
- **Bale Destringer**:
  Removes strings from straw bales. Strings are removed automated
- **Straw Bale Shredder**:
  Efficiently shreds straw bales for further processing.
- **Stone, Metal and Other Foreign Objects Trap**:
  Ensures unwanted contaminants are removed.
- **Pre-Grinding Mill**:
  Prepares straw for fine grinding.
- **Fine Grinding Hammer mill**:
  Achieves the desired straw particle size.
- **Premixer**:
  Homogenizes straw for optimal biogas production.
- **Pump to Reactor Tank**:
  Transfers straw powder to the reactor.
- **Control and Monitoring System**:
  Supervises, optimizes, and safeguards operations, ensuring efficiency, safety, data acquisition, and remote management.

This is an industrial plant solution with a strong focus on uptime and low maintenance costs.

Meeting Regulatory Standards

The solution from Euromilling and Linka Energy will fulfill all authority requirements. With our teams of engineers and project managers, we work closely with our customers to:

- Conduct risk analysis for safety.
- Provide CE documentation for compliance.
- Offer ATEX solutions and documentation.
- Implement a fire extinguishing system for added safety.

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.

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Pioneering a Sustainable Energy Future

Straw to biogas from bales.

A Revolutionary Solution from Euromilling and Linka Energy.

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.

Join Us in Pioneering a Sustainable Energy Future.

Get in contact

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