PYRONEXUS
YOUR TRUSTED PARTNER AND SOLUTIONS PROVIDER

FROM WASTE LIABILITY TO CARBON ASSET

WHAT WE DO

Pyronexus engineers and manufactures industrial-scale pyrolysis systems that convert poultry litter into high-value biochar.

Built for high-volume poultry operations seeking reliable litter management and real ROI.



WHERE WASTE BECOMES A LIABILITY

- **Massive waste volumes**
  The U.S. generates over 14 million tons of poultry litter annually, creating major management challenges and rising disposal costs due to its labor-intensive handling requirements.
- **Nutrient overload**
  Excess nitrogen and phosphorus limit land application and risk runoff
- **Regulatory pressure**
  Environmental compliance adds complexity and rising operational costs
- **Odor & community concerns**
  Storage and land application create local environmental and social challenges
- **Limited disposal options**
  Land availability and seasonal restrictions reduce flexibility

COMPLETE PYROLYSIS SOLUTIONS

Pyronexus delivers fully integrated, end-to-end pyrolysis systems that convert poultry litter into biochar, transforming a large-scale waste problem into a valuable resource.

14M+ tons/year poultry litter (U.S.)

~25% biochar yield

Up to 70% volume reduction

Our technology eliminates pathogens and odors, stabilizes nutrients, and reduces land pressure, while producing a high-value alternative to traditional fertilizers (N, P, K).

Why Biochar?

- Soil & Crop Fertility
- Carbon Value (CO_2)
- Water Efficiency
- Soil Biology

Key Benefits

- Create Value from biochar Sales & Carbon credit
- High-Performance Product
- Solve Waste Challenges

HOW IT WORKS

1. **Feed:** Poultry litter input
2. **Pyrolysis conversion:** Pyrolysis transforms biomass into biochar, syngas, and heat
3. **Outputs:** Biochar + energy + carbon credits = new revenue streams

WHY NOW?

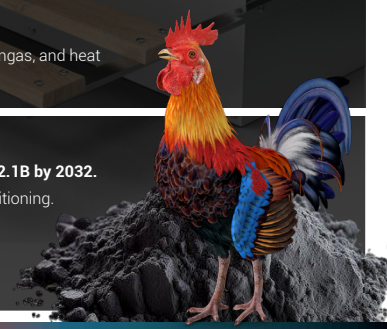
The global biochar market was **$763M in 2024 and is projected to reach $2.1B by 2032.**

Early operators are capturing the best carbon credit pricing and market positioning.

GET STARTED

Turn poultry litter into a revenue stream.

Schedule a feasibility call to evaluate your feedstock, site, and ROI potential.



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