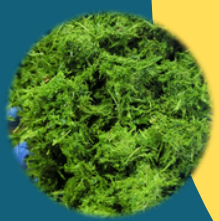
# ηetiBIO: The Versatile Bio-Processor

## Shaping Biomaterials for a Sustainable Future

Our bio-processors condition a variety of biomass materials, significantly enhancing yields, efficiency, and sustainability in biofuel production, agricultural waste management, and other renewable energy applications by conditioning biomass through fiber modification to unlock bioenergy.


Paddy Straw


Bagasse


Napier Grass

Meticulously crafted for biomass processing allowing great flexibility to work with various feedstocks and energy efficient FLP technology.

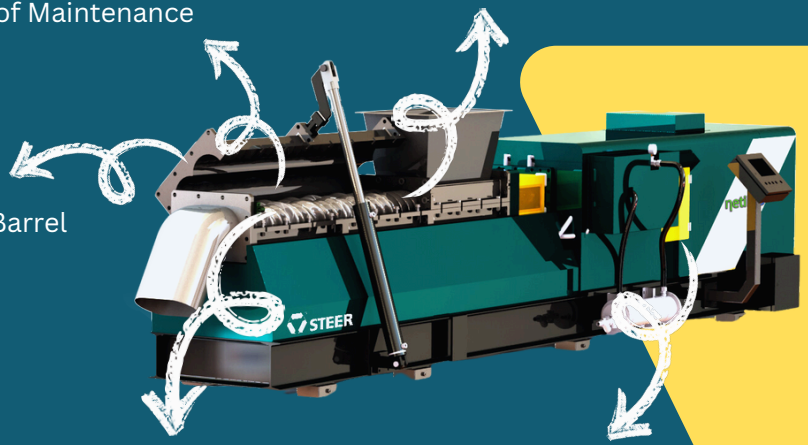

Olive Fronds


Sea Weed


Agri Waste

Segmented Screw Elements for Ease of Maintenance

Patented Screw Technology for Fiber Engineering




Clam Shell Barrel

STEER's Proprietary Alloy Steel for Superior Wear Resistance

Mechanical Safety Feature

### Value Proposition

## FUELING PROGRESS, CULTIVATING POTENTIAL

- **Ease of Maintenance**
- **High Yield Generation**
- **Low Capex & Footprint**
- **Continuous Processing**
- **Savings in Manpower, Energy & Water**
- **High Degree of Adaptability (Variety of Feedstocks)**

### Key Electrical Features:

- **Overload Protection**
- **Reverse Rotation Capability**
- **Safety Interlocks**
- **HMI Display and Controls**
- **Integration Feature**

| Model | Throughput (t/h) | Dimensions (LxWxH) mm |
|---|---|---|
| ηetiBIO 100 | 0.15 – 1.2 | 5200x1250x900 |
| ηetiBIO 150 | 1 - 2.5 | 5700x1250x900 |
| ηetiBIO 200 | 2.5 – 6.5 | 6400x1250x900 |
| ηetiBIO 250* | 6 – 10 | 8200x1450x1300 |
| ηetiBIO 300* | 8 -12 | 8700x1450x1300 |
| Feedstock^ moisture content 30%-70% | | |

*Under development ^Various combinations of feedstock are possible

### 30+ Years of Industrial Transformation

Over three decades of commitment to deep work in science and technology, ushering in a new wave of materials transformation and continuous manufacturing.

**Development Support**

**After-Sales Support**

Unlock tailored solutions at our Application Development Center, where expertise meets innovation. We start with rigorous Design of Experiments (DOE) to craft our approach to your unique needs. With our twin screw process expertise, we co-create cutting-edge applications. Plus, enjoy lifetime support, including parts availability and upgrade services to keep your technology at the forefront.

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