



CONVEYORIZED BIOMASS SORTING, DRYING & MILLING

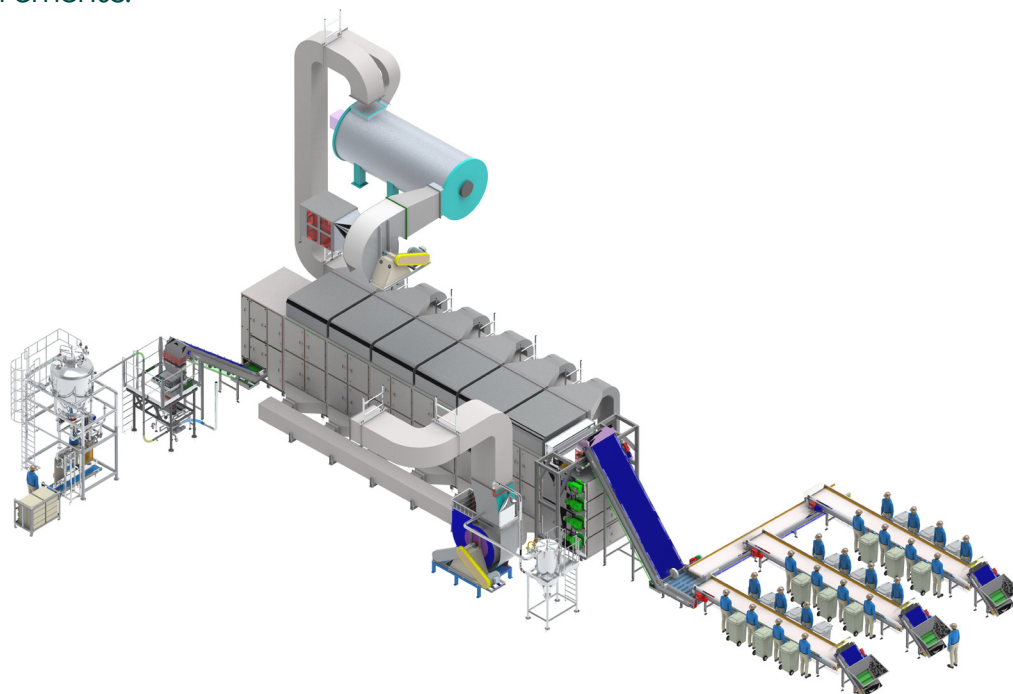
We build customizable conveyORIZED biomass sorting, drying, and milling systems to enhance efficiency, maximize yield, and improve product quality. These automated systems streamline operations, reduce cycle times, and boost inventory turnover. With integrated intelligence and recipe management, they deliver precise, consistent processing with minimal manpower. Our scalable and cost-effective solutions optimize productivity while maintaining superior quality and purity, meeting diverse biomass handling and drying needs.

buffaloextracts.com



PRE PROCESSING SYSTEM

Pre-processing retains biomass profile, improves yield & ensures purity of end products. Significantly improve your product quality with our robust & automatic pre-processing solutions custom designed for your requirements.



Technical Specification	Value
Biomass Processing Capacity	200/500/700/1000
Biomass Particle Size (mm)	6 to 8 mesh, 2 to 4 (Customizable)
Biomass Moisture Content	6 to 8 % (Adjustable)
Sound Level (dB)	Below 75
Footprint	Customizable as per facility layout
Power Consumption (kW)	175
Dryer Heat Capacity (kcal/hr)	550,000
Dryer Air Temperature (°C)	65 to 70
Dryer Air Velocity (m/s)	0.5 to 1
Air Circulation Rate (Overall) (m ³ /hr)	40,000

SYSTEM FEATURES

Certifications



Total Integration
From Sorting to Packaging
via Conveyors, Buffer
Storage and Packaging



Nutrient Retention
Fine grinding without
excessive heating



Minimal Biomass Loss
Biomass Recovery System,
Trough Conveyors



Energy Efficiency
80% Dryer air recirculation



Fuel Flexibility
Gas/Electricity/High Speed
Diesel (HSS)



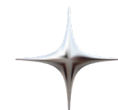
Precise Parameter Regulation
Uniform, multilayer heating
for close temperature and
moisture control



Intelligent Automation
Single point HMI/SCADA
monitoring and control



**We Don't Just Build The Best Systems,
We Build Ecosystems.**





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Founded in Bentonville, Arkansas, USA, Buffalo Extraction Systems is a turnkey solutions provider in the extraction space. We are led by a young, dynamic group of technocrats offering state of the art extraction solutions for Hemp, Cannabis, Bio-products and Nutraceuticals industries across geographies. We have in-house manufacturing for large scale Convection Drying, Cryogenic Ethanol Extraction, Cold Water Extraction and Supercritical Fluid Extraction (CO₂ SCFE) Systems.

Our Turnkey Solutions

Supercritical Fluid Extraction (CO₂ SCFE) System

Cryogenic Ethanol Extraction System

Conveyorized Biomass Sorting, Drying & Milling

Continuous Winterization System

Nordex 100 - Cold Water Extraction System

GMP Design Engineering

Contact Us

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