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Man-O-War Unveils Revolutionary In-Field Hemp Extraction System Technologies, Setting New Standards for Sustainability and Efficiency

Los Angeles, CA – October 15, 2024 – Man-O-War a division of Advanced Engineering Concepts Inc. (AEC) an innovative leader in hemp processing, is proud to announce the recent full patent issuance of its revolutionary in-field hemp harvesting and extraction technology. This groundbreaking system is set to transform hemp processing and contribute substantially to environmental sustainability by reducing the carbon footprint of agricultural operations, enabling the cultivation of more hemp, and encouraging eco-friendly practices that help green the planet.

Man-O-Wars' patented extraction system offers unparalleled efficiency in biomass throughput while ensuring minimal environmental impact. Uniquely designed to operate directly on the farm, the system eliminates transportation needs and the associated emissions, enabling farmers to process freshly harvested, whole-plant biomass on-site. This reduces handling steps that degrade potency and allows Man-O-War to capture and preserve up to 33% more of the plant's active compounds, including high-value cannabinoids like CBD.

Environmentally Transformative Technology

Man-O-Wars' system uses a proprietary closed-loop process, resulting in zero volatile organic compound (VOC) emissions. This feature represents a pivotal step forward for sustainable agriculture. Additionally, as hemp captures twice as much CO₂ per hectare compared to traditional forests, increasing hemp acreage through efficient processing directly supports global carbon reduction efforts.

The positive environmental impact extends beyond carbon capture. By encouraging the use of hemp as a renewable resource for various applications, from biodegradable plastics to construction materials, Man-O-War supports a transition away from petroleum-based products. Processed biomass can be reused as a soil amendment, enhancing the agricultural ecosystem by reintroducing nutrients back into the soil.

Disruptive Efficiency: A Game Changer for the Hemp Industry

Man-O-Wars' patented technology also addresses significant pain points within the hemp industry. Traditional processing methods are labor-intensive and time-consuming, often resulting in crop losses, diminishing active compounds and reduced yields. Man-O-War with its mobile, high-throughput extraction system offers a practical solution to these inefficiencies. The system can process up to 11,016 pounds of wet hemp biomass per hour, translating to approximately 132,192 pounds harvested and processed in a 12-hour shift.

The system's scalability is designed to meet the needs of a rapidly growing market. From small-scale in-field units to large, centralized processing facilities, Man-O-Wars' versatile technology model is capable of meeting the demands of any agricultural operation, fostering greater planting and yielding confidence in the hemp farming community. This increased efficiency not only reduces labor and costs for farmers but also establishes a more reliable supply chain for hemp-derived products, creating opportunities for brands ready to enter the market.

A Pathway to a Greener Future

Man-O-War is committed to elevating hemp as a viable solution for environmental challenges. By fostering greater industry efficiency, reducing carbon emissions, and promoting sustainable agriculture, Man-O-Wars' technology sets a new benchmark in eco-friendly processing. The launch of this revolutionary system is expected to generate excitement among industry leaders, environmental advocates, and stakeholders invested in green solutions.

As the demand for clean technology grows, Man-O-War's patented extraction system stands as a beacon for sustainable innovation, demonstrating how environmentally conscious practices can drive agricultural growth. By reducing waste, enhancing product quality, and aligning with important environmental standards, Man-O-War Technologies is poised to transform the hemp industry and support a greener, healthier planet.

For further information or inquiries regarding Man-O-Wars' patented extraction system technologies, please contact:

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About Man-O-War

Based in Los Angeles, CA, Man-O-War is an industry innovator in sustainable hemp processing solutions. Through a commitment to environmentally safe practices and efficient biomass throughput, Man-O-Wars' mission is to green the planet while creating economic opportunities for farmers and advancing the adoption of renewable resources across industries.