



A 3-IN-1 FULLY AUTOMATED ETHANOL EXTRACTION SOLUTION

CAPACITY	SOLVENT	PROCESS TEMPERATURE RANGE	TROUGHPUT	CYCLE TIME	MATERIAL PROCESSED PER HOUR
120 gallons	Ethanol	-40°F	40 pounds per cycle	20min	120 pounds

The Elara extractor is the industry-leading, automated, cryogenically chilled ethanol cannabis extractor capable of processing up to 120 lbs/hr of biomass. It combines three traditionally separate and manually operated processing steps into one automated process, allowing processors to set it and “forget” it. The total cost of ownership is superior to its competitors, and it’s designed to address the extraction space’s critical concerns: safety, quality, and scalability.



DESIGNED FOR SAFETY

Our commitment to safety is leading the Ethanol extraction market to new standards. Elara's pre-programmed recipe-monitoring system checks pressures and temperatures hundreds of times per second to remove the risk of operator error. With emergency stop buttons, intrinsically safe circuits, and smartphone integration for remote management and operation, Elara offers safety features you can't find anywhere else.



AUTOMATION

Elara limits weeks or months of apprenticeship training required for manually controlled ethanol systems, saving you on labor costs. Competitors' products are manual, meaning that each vessel must be filled independently. Elara's integrated and automated processes do the work for you.



EASE OF OPERATION

At the press of a button, Elara allows one lab technician to simultaneously manage the system and perform post-processing tasks, streamlining workflow in the lab. Processors can also utilize the Easy Access App to check a cycle's status from outside the lab. Elara also comes complete with integrated data logging and analytics to improve real-time performance.



QUALITY & YIELD

Elara processes 40 lbs biomass per cycle, allowing a single operator to process up to 2800lbs of biomass in a single day. Elara can process 120lbs of biomass per hour with a cycle-to-cycle changeover time of just two minutes. With mechanized precision, Elara produces consistent and quality extracts that consumers will expect of your brand, cycle after cycle.

VS

ETHANOL VS. OTHER EXTRACTIONS

The best plant materials are ideal for BHO extracts, while bulk materials with lower terpene content can be used for large ethanol extractions, which prioritize cannabinoid potency over terpenes. With its high throughput, Ethanol is a scalable solution that yields quality distillate products.

INSTALLATION + COMMISSIONING / After receiving an order, our Service and Support Technicians will walk you through our proven installation process with a full complement of support documentation and scheduled drawing reviews with your technical team and contractors. Luna's proven process culminates in two days of commissioning and training with your staff.

TRAINING / After completing our hands-on commissioning process, we continue with Luna's free on-site training after the system is installed and ready for operation. Free on-site training will be scheduled with the customer, covering operation, maintenance, cleaning, and basic troubleshooting.

WARRANTY / All Luna Technologies equipment is provided with a 1-year warranty.

CUSTOMER SUPPORT / Our white-glove customer care program is designed to support you every step of the way. Minimize downtime when problems arise with real-time support, which gives us remote access to your equipment to ensure your success. Internet connectivity allows the Luna Tech Support team to connect remotely to each Elara extractor for real-time troubleshooting.

END PRODUCT TYPES BY EXTRACTION METHOD



AUTOMATED CONTROLS

01/STRAIN SPECIFIC RECIPE OPTIMIZATION

Computer control of the entire extraction process allows users to fine-tune extraction recipes to maximize yield and efficiency. Complete with data logging for all process parameters, including temperatures, pressures, fluid levels, valve status, and more.

02/ ELIMINATE OPERATOR ERROR

With a pre-programmed recipe monitoring pressures and temperatures hundreds of times per second, you can set it and "forget" it. There's virtually no risk of costly operator errors.

03/ CONSISTENT PRODUCT QUALITY

Maintain product quality cycle after cycle with precise temperature control with Elara, featuring industry-leading 17kW cooling at -40°F and 54kW heating to 220°F.

04/ OPERATOR TRAINING

Every operator is a master extraction artist after their first cycle! Automated controls eliminate weeks or months of apprenticeship training required for manually controlled ethanol systems, allowing you to reduce training-related downtime.

MINIMIZE DOWNTIME

01/FULLY INTEGRATED AND AUTOMATED

The Elara system is made up of three traditionally separate steps, made into one. The automated system continues working to purify your extract while you load and unload the centrifuge in minutes. With a fully integrated and automated system, your machine uptime is maximized, and so is your return on investment.

02/ NO DOWNTIME BETWEEN PROCESSES

Transferring solvent mixtures from one system to another takes away valuable processing time from your equipment. Integrating extraction, filtration, and solvent separation into Elara's single automated system means no downtime between processes.

Process 40lbs per cycle of dried plant material in 20 minutes with a 10-minute wash.



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