

A FULLY AUTOMATED HYDROCARBON EXTRACTION SOLUTION



CAPACITY	SOLVENT	PROCESS TEMPERATURE RANGE	TROUGHPUT	CYCLE TIME	CYCLE/DAY	MATERIAL PROCESSED PER DAY
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70L	Butane, Propane, or mix	-65°F to 0°F	40 pounds per cycle ³	60 mins ¹	22 ²	800+ pounds
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1: The 60-minute cycle time includes a 10-minute soak per cycle

2: 22 cycles per day considers machine downtime for cleaning, maintenance, and loading new material

3: With Fresh Frozen biomass. 28lbs per cycle with dry biomass.

Oberon is an enterprise-grade, fully automated, closed-loop hydrocarbon extractor designed for large-scale operations. Built to advance the capabilities of our IO extractor, Oberon comes with a larger extraction vessel and solvent tanks and a completely reimaged chiller system that makes it easier for processors to extract minor cannabinoids and terpenes from biomass. It sets the industry standard for 24-hour volume, processing up to 40 lbs of plant material per hour, enabling producers to conduct more efficient back-to-back cycles with only 90 seconds of downtime in between cycles. Its patent-pending dual passive/active solvent recovery technique and parallel processing capability minimizes cycle times, and built-in automated process controls eliminate manual error. Effortlessly produce consistent top-shelf extracts cycle after cycle.



DESIGNED FOR SAFETY

Our commitment to safety is leading the BHO extraction market to new standards. With emergency stop buttons, intrinsically safe circuits, and smartphone integrations between C1D1 Room and Extractor Control Systems for remote management and operation, Oberon offers safety features you can't find anywhere else.



AUTOMATION

Oberon limits weeks or months of apprenticeship training required for manually controlled hydrocarbon systems, saving you on labor costs. More importantly, its pre-programmed recipe-monitoring system checks pressures and temperatures hundreds of times per second to remove the risk of operator error.



EASE OF OPERATION

At the press of a button, Oberon allows one lab technician to simultaneously manage multiple Oberon units 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.



QUALITY & YIELD

Oberon processes 30 lbs of dried material or 40 lbs of fresh-frozen material per cycle, allowing a single operator to process 400lbs of biomass in a single day. With a 60-minute average cycle time and a 10-minute soak, the cycle-to-cycle changeover time with Oberon is just 90 seconds. With mechanized precision, the Oberon Extractor produces consistent and quality extracts that consumers will expect of your brand, cycle after cycle.

VS

HYDROCARBON VS. CO2 EXTRACTION

Hydrocarbon-based solvent extraction produces a higher-quality end product rich in cannabinoids and terpenes. It's the only way to extract fresh-frozen material and has a significantly higher throughput than other extraction methods. BHO is the only true full-spectrum solution that can scale.

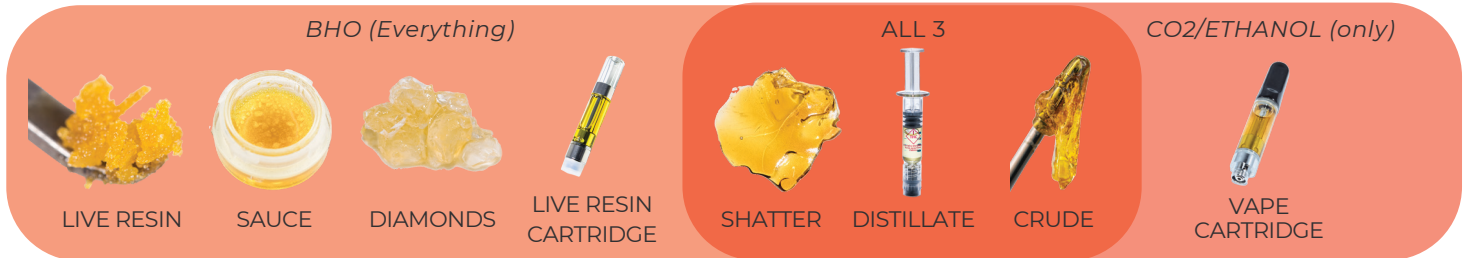
INSTALLATION + COMMISSIONING / After receiving an order, our Service and Support Technicians will walk you through our proven installation process with a full complement of support documentation and scheduled drawing reviews with your technical team and contractors. Luna's proven process culminates in 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, giving us remote access to your equipment to ensure success. Internet connectivity allows the Luna Tech Support team to connect remotely to each IO or Oberon 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 two chillers featuring industry-leading 12.3kW cooling at -30°F and 7.2kW cooling at -75°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 BHO systems, allowing you to reduce training-related downtime.

MINIMIZE DOWNTIME

01/ FILTER SLEEVE SYSTEM

Hot-swap pre-packed plant material columns for 90-second cycle-to-cycle turnaround time.

02/ TOOL-FREE OPERATION

No need to unbolt collection pots, material columns, or hoses: Oberon is operated with two buttons and three hand-turn latches.

THROUGHPUT

01/ PROCESS

Process 30lbs per cycle of dried plant material or 40lbs per cycle of fresh-frozen material. Cycle times average 60mins with a 10min soak.



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