SPECIFICATIONS

System Features:

- 5-20 kg/hour Input Feed Capability (Variable based on Feedstock)
- Cold Traps
- Common Skid Frame
- Compound Pressure Gauges
- Jacketed Feed Tank, 8-Gallon
- Jacketed Stainless Steel Piping
- Manual Valves
- Mounted VFDs for Precise Control
- Pressure Indicators for Vacuum
- Process Pumping System
- Sight Glasses
- Total of 0.4 m² Short Path Evaporator (2) 0.2 m² Evaporators Inline

Required: Install And Training, 3-Day Utilities Install & Mechanical Check, and Intensive Training. Additional Days billed at $3000 per day

Utilities & Ancillaries:

- All Chilling/Heating Fluids
- All Vacuum Clamps, Hoses, and Valves
- Diffusion Pump
- Dual-Point Vacuum Monitoring System with Valve Control (for First Stage)
- EliteLab Touchscreen Control Interface
- Heated Circulators
- High Capacity/High Vacuum Diaphragm Pump
- Rotary Vane Pump + Oil Mist Filter
- Tempered Water Units
- Three-Point Vacuum Monitoring System (for Second Stage)
- Vacuum Pre-Filter for Dry Pump

Cold Trap Options:

- Chiller: -30C to -50C (Included)
- Chiller: -60C to -80C for an additional $15,000.00 (recommended)

InCon Process Systems

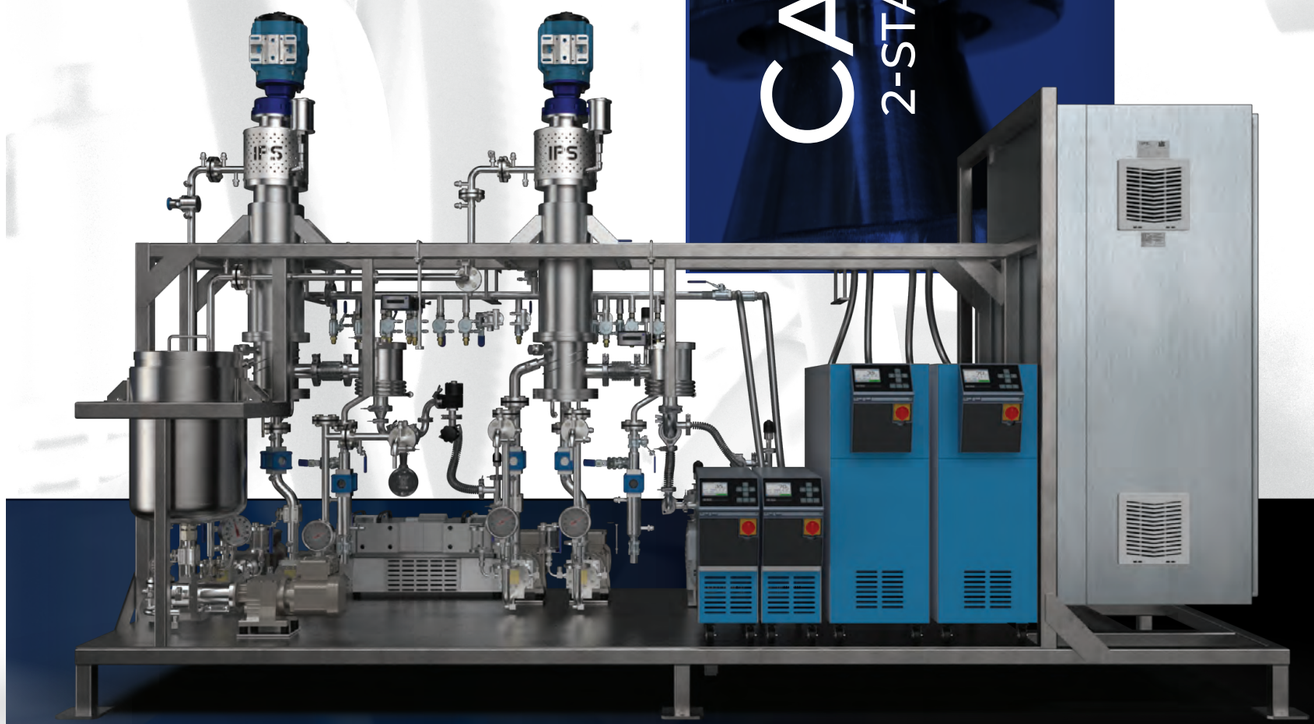
With over 25 years of high vacuum distillation technology experience, InCon Process Systems has designed, built, and operated the world's largest distillation plants for hundreds of different compounds. InCon's experience and knowledge ranging from highly specialized fractional distillation plants and lab-scale precision systems to 50m² industrial-scale distillation plants has set them apart within the Short Path and Thin Film distillation markets. InCon's partnership has allowed for true industrial manufacturing experience to be scaled down into the Cannabis market, focusing on automation, reliability and capability of 24/7 manufacturing. CannaBeast is a trademark of InCon Process Systems

*Shown with Unistat 815

CANNABEAST™

2-STAGE SHORT PATH THIN FILM DISTILLATION SYSTEM

STARTING AT $420,000



720.600.2037 labsociety.com/thinfilm info@labsociety.com

LAB SOCIETY® | InCon Process Systems

Lab Society & InCon Process Systems

Lab Society has partnered with InCon Process Systems (IPS) to bring the industry the most comprehensive, USA-made Stainless Steel 2-Stage continuous short path distillation plant on the market. Designed solely around distilling high boiling point compounds coupled with low boiling point constituents in feed stock, the CannaBeast has all the features necessary to streamline and maximize throughput through it's 0.4 m² evaporation system.

0.4m²

2 x 0.2m² inline thin film evaporators for exceptional evaporation surface area

5-20 Liters per hour (LPH)

Continuous, efficient 2 stage distillation with gear pump-driven, fully jacketed feed and discharge piping

3 Precise Continuous Fractions

7 panel-mounted VFD's and robust utilities with digital control give users precise control over all system parameters

2-Stage Stainless Steel Short Path Thin Film Distillation System

VACUUM SYSTEM

The first evaporator/stage features a high vacuum/high capacity dry vacuum pump and precision compound pressure gauge and vacuum control system to give users the ability to run the system at variable pressures and vacuum depths. Both stages may be operated at higher pressures to gently remove low boiling point compounds, such as terpenes. For precise heavy compound distillation, the system may be reconfigured to run at standard operational parameters (high vacuum) to precisely cut into feed for desired compounds.

The second stage of the CannaBeast is separated from the first stage via mechanical seal. This allows the second evaporator/stage to be run at significantly higher vacuum levels via rotary vane technology. Additionally, the second stage includes a diffusion pump that may be utilized in high-vacuum situations where there are minimal low boiling point compounds present, and the user wishes to achieve greater separation.

REDUNDANCY

The CannaBeast reduces the need for multiple passes when material is properly prepared for the system by utilizing two (2) stages of short path distillation; thus, continuously collecting two (2) distillate fractions and one (1) residue fraction. The first stage is run at higher pressure (low to medium vacuum) and lower temperature to gently or aggressively remove low to medium boiling point compounds. The second stage is run at high vacuum and higher temperature to achieve proper separation of compounds.

EliteLab® Control & Monitoring System

LS-PVM-2V:
2-Point Vacuum Monitoring System + Isolation Valve; one (1) compound pressure sensor with valve control, one (1) thermocouple vacuum sensor
LS-PVM-3:
3-Point Vacuum Monitoring System; three (3) thermocouple vacuum sensors
HB Therm & Huber:
Temperature Controllers

To learn more about real-time, cloud-based data logging visit labsociety.com/elitelab

*Shown with Unistat 815

PRECISE CONTROL

The system includes a precision flow meter and a fully-jacketed feed tank. Feed tank material is precisely fed into the CannaBeast by a VFD- controlled gear pump; allowing for flow rates up to 20 liters per hour (LPH). An additional four (4) VFD-controlled gear pumps precisely pump distillate and residue fractions from the two (2) stages continuously.