

# CannaBeast<sup>®</sup>13

Short Path Thin Film  
Distillation System

Starting at \$245,000



**0.13m<sup>2</sup> EVAPORATION SURFACE AREA**

**1-8 LITERS PER HOUR (LPH) FEED RATE**

**DUAL-PUMP MANIFOLD ADVANTAGE**

**ELITELAB CORE V2 HMI CONTROL SYSTEM**

**PRECISE & CONTINUOUS OPERATION**



InCon Process Systems

Lab Society has partnered with InCon Process Systems (IPS) to bring the industry the most comprehensive, USA-made Stainless Steel single 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® 13 has all the features necessary to streamline and maximize throughput through it's 0.13 m2 evaporation system.

## SYSTEM HIGHLIGHTS

- ✓ 1-8 liters per hour input feed capability  
(Variable based on feed material)
- ✓ Common skid frame for all utilities
- ✓ Completely jacketed stainless steel process piping
- ✓ Compound pressure gauge for system pressure & valve control
- ✓ Digital pressure gauges
- ✓ Good Manufacturing Practices (GMP) forward design
- ✓ High efficiency cold trap, with option for dual cold traps
- ✓ Inline sight glasses
- ✓ Jacketed feed tank, 8-Gallon
- ✓ Manual or HMI-based motor speed control
- ✓ Manual isolation valves
- ✓ Material contact surfaces: 316L stainless steel
- ✓ Self-priming and standby valve system

**0.13m<sup>2</sup> Evaporation Surface Area:** High efficiency short path thin film evaporator with exceptional evaporation surface area

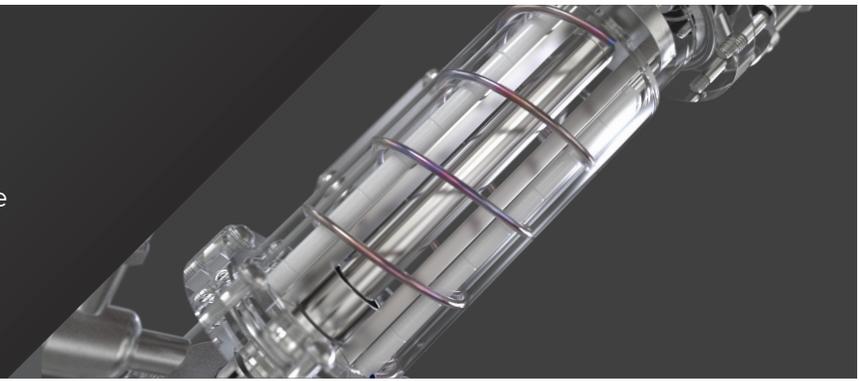
**Precise & Continuous Operation:** EliteLab HMI gives users precise control over all system parameters with the ability to save custom presets/recipes for repeatability and ease of use

**Dual-Pump Manifold Advantage:** Single stage units feature a dual-pump manifold with two (2) vacuum pumps: a dry diaphragm pump for volatile stripping, and a high-vacuum pump for heavy compound distillation



## Evaporator Specifications

- Short path evaporation technology optimized for thermally sensitive compounds
- Short path evaporator with internal, high surface area coil condenser
- Standard PTFE rollers with splash guards for maximum longevity



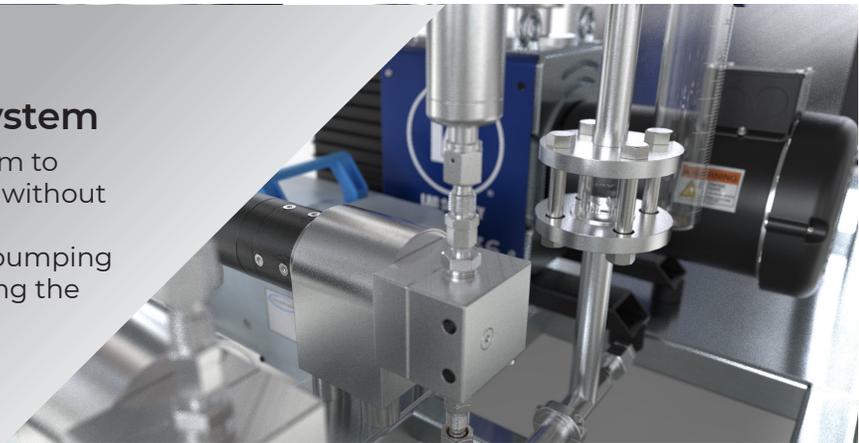
## Robust Vacuum System

- All vacuum clamps, hoses, and valves
- Consistent bore size 40mm to rotary vane pump inlet
- Dual-point vacuum monitoring system with valve control
- Pumping System:
  - High Capacity/High Vacuum Diaphragm Pump
  - Rotary Vane Pump + Oil Mist Filter



## Self-priming and Standby Valve System

- Integral bypass valve system allows for the system to recycle discharge lines for short-periods of time without shutting the pump off
- Simplifies priming of gear pumps, diagnosis of pumping issues and changing of receivers without shutting the system down



## Temperature Control Units (TCUs)

- All chilling & heating fluids
- All TCUs made by Huber, with 4-year standard warranty and UL Listings
  - Heater/Chillers for process: two (2) zones of control
    - Temp. range: -20C to 100C
    - For feed tank & system jacketing, residue discharge
    - For internal short path condenser and distillate discharge
  - Hot oil circulator for Evaporator
    - Temp. range: 45C to 300C
  - Primary cold trap cooled by -100C immersion cooler
- Secondary cold trap (optional) for dry ice or liquid nitrogen (LN2)



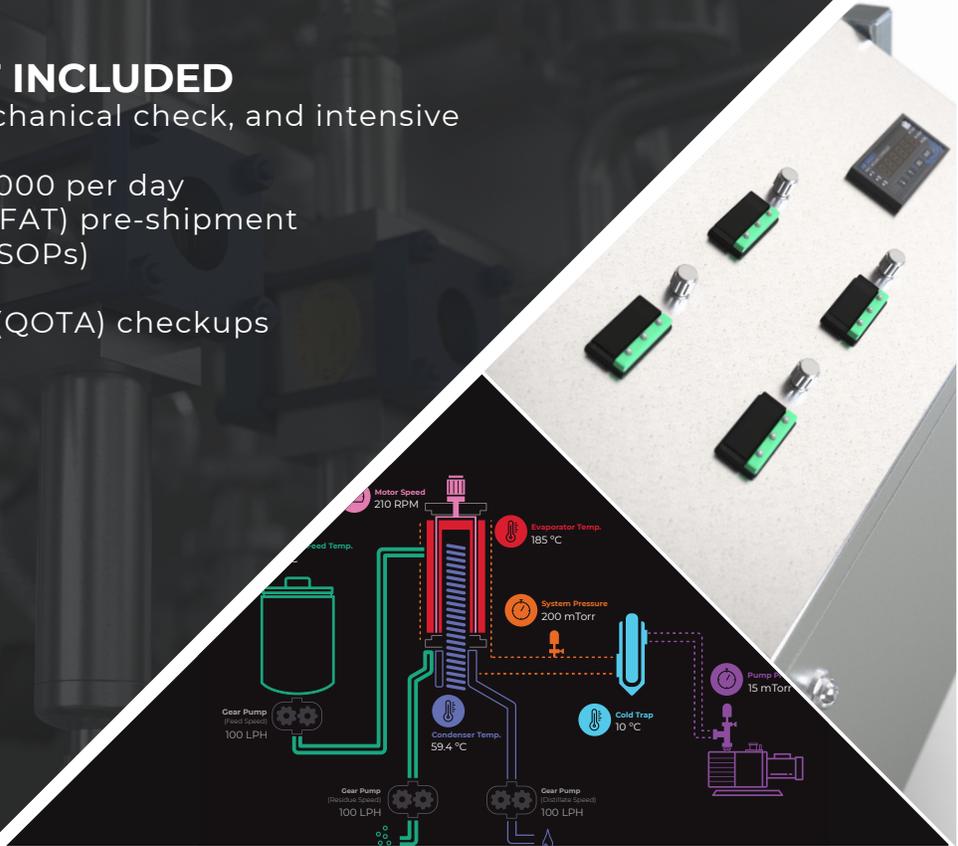
*\*See reference table online or supplemental specification sheet for exact dimensions, system options, and fee structures.*

## HUMAN MACHINE INTERFACE (HMI)

- Included standard on all units: EliteLab Core v2 Control Interface, extendable arm-mounted 21.5" Touchscreen with swivel/tilt
  - Custom Presets and Automation Settings for "Recipes" and repeatability via multi-day datalogging of all parameters
  - Motor Speed (RPM) control for all gear motors and wiper basket
  - Temperature Control Unit (TCU) & Pressure consolidated controls
  - System View for simple control and usage of HMI

## INSTALLATION & SUPPORT INCLUDED

- 2-Day onsite utilities install & mechanical check, and intensive training
  - Additional days billed at \$3000 per day
- Full Factory Acceptance Testing (FAT) pre-shipment
- Standard Operating Procedures (SOPs)
- Clean-in-place (CIP) Procedures
- On-going Quarterly Over The Air (QOTA) checkups



## 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 50m<sup>2</sup> 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 sole property of InCon Process Systems LLC (IPS).*

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