

CANNABEAST[®]

2-Stage 0.2m²

Short Path Thin Film
Distillation System

Starting at \$459,000



Closed-loop Chiller Option

0.4m² EVAPORATION SURFACE AREA

5-20 LITERS PER HOUR

MULTI-STAGE ADVANTAGE

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 continuous short path distillation plants 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 efficient evaporation system.

SYSTEM HIGHLIGHTS

- ✓ 5-20 liters per hour input feed capability (Variable based on feed material)
- ✓ Common skid frame for all utilities except cold trap chiller
- ✓ Completely jacketed stainless steel process piping
- ✓ Digital pressure gauges
- ✓ Good Manufacturing Practices (GMP) forward design
- ✓ Inline sight glasses
- ✓ Insulated cold traps with internal & external coils
- ✓ Jacketed coriolis flow meter
- ✓ Jacketed feed tank, 8-Gallon
- ✓ Manual isolation valves
- ✓ Material contact surfaces: 316L stainless steel
- ✓ Various HMI options*
- ✓ Various vacuum system options*

0.4m² Evaporation Surface Area: High efficiency, 2 x 0.2m² inline short path thin film evaporators with exceptional evaporation surface area

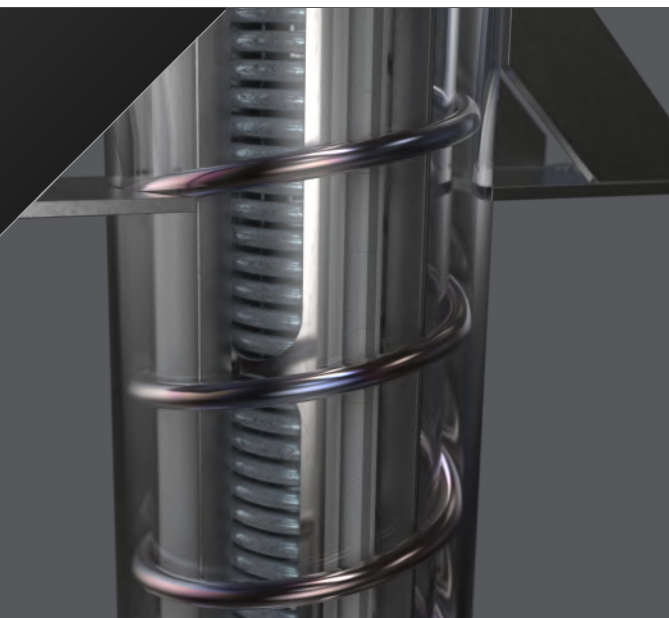
Precise & Continuous Operation: Various HMI options give users precise control over all system parameters with the ability to save custom presets/recipes for repeatability and ease of use

Dual-Pump Manifold Advantage: Having multiple stages reduces the need for multiple passes when material is properly prepared via simultaneously collecting two (2) distillate fractions and one (1) residue fraction



Evaporator Specifications

- Short path evaporation technology optimized for thermally sensitive compounds
- Standard PTFE rollers with splash guards for maximum longevity
- Two short path evaporators with internal, high surface area coil condensers
- Total of 0.4 m² surface area, two 0.2 m² evaporators inline



Vacuum System & Options

- All Vacuum Clamps, Hoses, and Valves
- Consistent Bore Size 40-50mm to Pump Inlets
- Dual-point Vacuum Monitoring System with Valve Control (for First Stage)
- Vacuum Pre-Filter and Secondary Catch (for First Stage)
- Three-Point Vacuum Monitoring System (for Second Stage)
- Multiple Pump Options*:
 - High Capacity/High Vacuum Diaphragm Pump
 - Rotary Vane Pump + Oil Mist Filter
 - Booster Pump Kits
 - Dry Screw Pumps (coming soon)



VS-2 Vacuum System Option

Temperature Control Units (TCUs)

- All chilling & heating fluids
- Closed-loop hot oil circulators (2)
 - Max. 250C
 - For evaporators
- Closed-loop tempered water units (2)
 - Max 100C
 - For feed tank & system jacketing
 - For internal short path condenser
- Cold trap chiller: -30C to -50C (Included)
- Closed-loop cold trap chiller: -50C to -80C (+\$15,000.00)



EliteLab Core®

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

HUMAN MACHINE INTERFACE (HMI) OPTIONS*

- Included standard on all units: EliteLab Core Touchscreen Control Interface
 - Temperature Control Unit (TCU) consolidated controls
 - Custom Presets and Automation Settings for "Recipes" and repeatability via multi-day datalogging of all parameters
- Programmable Logic Controller (PLC) by Allen Bradley (*additional fee**)
 - 22" Touchscreen Control Interface integrates VFDs into a simple interface for system control, datalogging, and management
 - Preset and custom alarms for production stability with remote control options
- PLC with Automated Level Sensors (*additional fee**)
 - Fluid level sensors added into process lines to sense the flow rates and control respective material pump speed
 - Set flow rate on feed pump and sensors will automatically adjust discharge pump speeds
 - Requires additional height*

INSTALLATION & SUPPORT INCLUDED

- 3-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 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 sole property of InCon Process Systems LLC (IPS).

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