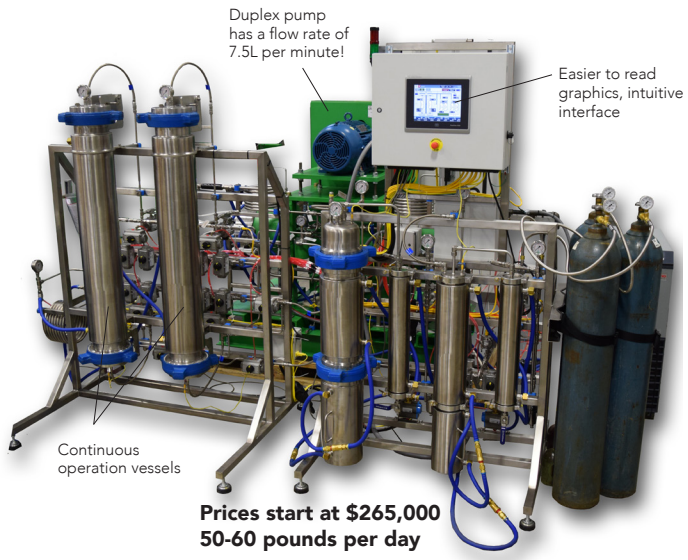
High Production Series

Optimized for low pressure/low temperature subcritical extraction; 50-60 lbs per day



Prices start at $265,000
50-60 pounds per day

Our new system allows for continuous batch operation and is more energy efficient per pound, at just 20hp total power consumption. Our control panels have more pressure and temperature data points than any of our other systems!

Our new subcritical high production system will change the way everyone talks about extraction efficiency! The system is more efficient than liquid-pumping systems and is built to be future-proof. Preserve those valuable terpenes and extract your oil in a fraction of the time, saving time and money. And with 2000 psi capacity, the system can do supercritical runs as well!

ENHANCEMENTS

- Preserves terpenes
- Preserves color
- Less work post production
- Continuous batch operation
- Flow rate: 7.5L per min!

"During the sales process, the dialog with staff and access to manuals beforehand were both extremely helpful. Our local license was contingent upon having an SOP before even building our facility and it made those efforts much easier."

— Steve N., Pueblo, CO

FEATURES AND BENEFITS

FAST AND EFFICIENT

- This system offers a measured, actual, and extraordinary flow rate of 7.5L per min!
- Continuous batch operation means no down time between runs
- Four separators and two separator cups support continuous batch
- The system only uses 20hp total, including the chillers!
- More energy efficient than liquid-pumping systems

TECHNOLOGICALLY ADVANCED CONTROL PANELS

- The control panels are future-proof and built to be part of a connected enterprise
- Interfaces with a SQL database
- Integrated chiller control completes the automation package
- Collect much more data from your system than ever before!
- Powered by Rockwell Automation
- All our control panels are UL Listed
- HMI (Human Machine Interface) is now written to ANSI/ISA 101 standards, making the screen easier to read, reducing glare and offering intuitive graphics
- Next level state-of-the-art automation!

CURRENT GOOD MANUFACTURING PROCESS (cGMP) FRIENDLY

- Components are mounted on the frame to make cleaning easy (gauges stay with the vessels)
- System can be cleaned while in use, without fear of contamination
- Easier to clean components
- Extractor, separator, and mechanical components can be separated to prevent cross contamination

THE APEKS ADVANTAGE

SAFER, CLEANER, PURER WITH CO_2

- Non-toxic, non-flammable and environmentally friendly, and leaves no trace of solvents
- Simple fractional extraction and cold separation processes preserve volatile oils for higher quality and more consistent yields
- Systems built with two levels of safety protection - electrical and mechanical
- Our Industrial control panels are UL Listed
- Manufactured in our ASME certified facility

FASTER

- The Apeks Supercritical Diaphragm Compressor Technology increases CO_2 flow for 20 to 50% faster extractions while consuming half the power of comparable liquid pumping systems
- No decompression valves, no clogging of product with the Apeks patented Valveless Expansion Technology

EASIER

- Lights-out automation with internet messaging and automated controls requires less supervision/training and assures consistent results
- Data-tracking and collection capability
- Fewer maintenance requirements

CUSTOMER SUPPORT

- Comprehensive onsite and virtual training
- Online parts store
- Free winterization classes for customers
- 3-year warranty

2015 Inc. 5000 #24 Fastest Growing Private Companies

100 Brilliant Companies — Entrepreneur Magazine "100 Brilliant Companies"

50 Fastest Growing Companies — Columbus, Ohio - 50 Fastest Growing Companies

Golden Mouse Bronze

EY Entrepreneur Of The Year® 2016 Finalist

3 YEAR WARRANTY

apeks® SUPERCRITICAL
The Power of CO_2 Extraction®

Made in the USA - Veteran Owned

ApeksSupercritical.com 740-809-1160

RETURN ON INVESTMENT AND PRICING — SUBCRITICAL DUPLEX HIGH PRODUCTION SYSTEM

System	Equipment Cost	Approximate Processing Capacity (g)	Cycle Run Time (h)	CO_2 Recovery & Reload Time (h)	Runs/Day	Total Machine Run Time per day (hours)	Raw Material Processed per day (g/day)	Quality of Trim	Price per pound of Trim, Not Flower	Average Yield (%)	Average Yield per run (g)	Average Yield per Day (g/day)	Raw Plant Material Cost per Day
2000-5Lx5LDU	$265,000	2,250	1.67	0.75	10	24.2	22500	Low Mid High	$100 $300 $500	7% 14% 20%	158 315 450	1575 3150 4500	$4,956 $14,868 $24,780
2000-5Lx20LDU	$295,000	5,625	4.17	1	4.5	23.3	25313	Low Mid High	$100 $300 $500	7% 14% 20%	394 788 1125	1772 3544 5063	$5,575 $16,726 $27,877
2000-20Lx20LDU	$315,000	9,000	6.67	1	3	23.0	27000	Low Mid High	$100 $300 $500	7% 14% 20%	630 1260 1800	1890 3780 5400	$5,947 $17,841 $29,736

DAILY OPERATIONAL COSTS

	Days Between Pump Maintenance	Maintenance Cost per Day	Power Consumption (kW)	Electrical Cost per Day	CO_2 Cost per Day	Total Daily Operational Cost (includes labor)
2000-5Lx5LDU	362	$8	18.5	$81	$38	$246
2000-5Lx20LDU	377	$8	18.5	$77	$17	$174
2000-20Lx20LDU	381	$8	18.5	$77	$11	$144

CO_2 cost per pound	$1.25
Electricity kWh cost	$0.18
Labor rate/hour	$16

Rates are measured on decarboxylated material. The yields and ROI will be less on non-decarboxylated material. The measured flowrate of CO_2 on our 2000psi Duplex High Production systems is 7.5 L/min. Subcritical extraction rates to accomplish a 90% complete extraction for decarboxylated cannabis have been tested at 0.33 hours/pound, and 1 hour/pound for non-decarbed material. The above yield assumptions are averages based on customer feedback. Lab testing raw plant material before and after extraction for THC content is recommended to determine actual completion percentage.

RETURN ON INVESTMENT IS HEAVILY DETERMINED ON THE DESIRED FINAL PRODUCT AS SHOWN BELOW

			Wholesale Raw Oil (no post process)			Wholesale Winterized Oil (post process required)			Wholesale Finished Products (post process required)		
System		**Price per pound of Trim, Not Flower**	**Price/Gram** $6 Daily Yield (g/day)	Revenue Earned ($/day)	ROI (days)	**Price/Gram** $9 Daily yield after processing (g/day)	Revenue Earned ($/day)	ROI (days)	**Price/Gram** $25 Daily yield after processing (g/day)	Revenue Earned ($/day)	ROI (days)
2000-5Lx5LDU	Low	$100	1575	$9,450	62	1181	$10,631	49	1181	$29,531	11
	Mid	$300	3150	$18,900	70	2363	$21,263	43	2363	$59,063	6
	High	$500	4500	$27,000	134	3375	$30,375	50	3375	$84,375	4
2000-5Lx20LDU	Low	$100	1772	$10,631	60	1329	$11,960	48	1329	$33,223	11
	Mid	$300	3544	$21,263	68	2658	$23,920	42	2658	$66,445	6
	High	$500	5063	$30,375	127	3797	$34,172	48	3797	$94,922	4
2000-20Lx20LDU	Low	$100	1890	$11,340	60	1418	$12,758	47	1418	$35,438	11
	Mid	$300	3780	$22,680	67	2835	$25,515	42	2835	$70,875	6
	High	$500	5400	$32,400	125	4050	$36,450	48	4050	$101,250	4

Training:

All Apeks systems include free onsite or virtual training.Training is a four-hour block of instruction of system operation and preventative maintenance. Alaska, Hawaii and international locations may require additional costs for onsite training.

Service/3-Year Warranty

- Parts/Labor – 100%, excluding consumables, ground shipping
- Please call 740-809-1171 to schedule your service

Assumptions:

- Maximum processing capacity assumes a 200-300 micron particle size
- Price per gram above is for wholesale pricing, not retail. Numbers are expected to double for retail.
- The winterization of oil in this ROI requires post processing equipment costing between $10,000 to $75,000
- Costs for packaging and marketing a final product as shown in Wholesale Finished Products are not considered in this ROI
- 15%-20% of yield is lost if winterizing because of the removal of plant waxes
- Power factor is .86 for 3 phase motors
- Labor only required for load/reload time. Machine can run unattended during extraction.

Financing:

Please call 740-809-1160 for financing information.

Purchase Terms:

Purchase terms are 50% down, 50% upon completion. System ships upon receipt of full payment.

Shipping

Shipping Cost: $5,000
Shipments to Alaska and Hawaii will have additional shipping costs. Please contact us for international shipment costs, duties and fees.

Illustration purposes only. These Return on Investment calculations are based upon the sample performance of the listed Apeks systems operated under normal conditions and following proper procedures for operation and maintenance. Actual performance may vary and is not guaranteed. These hypothetical calculations include a number of input variables or "Assumptions" in which Apeks has no control and which may be different in actual practice for a particular customer or system. Prices are subject to change. Please contact us to get most recent pricing!

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The Power of CO_2 Extraction®