

CO₂ EXTRACTION TECHNOLOGY

U.S. PRICING



APEKS CO₂ EXTRACTION THE BAMBINO®

Sophisticated engineering with superior processing capabilities, comparable to larger CO₂ extraction systems, The Bambino® provides both subcritical and supercritical parameters in a compact design. Ideal for start-ups, product development and research and development labs.



FULL AUTOMATION



VALVELESS EXPANSION TECHNOLOGY



10-14 POUNDS PER DAY

MADE IN USA



THE BAMBINO® TECHNICAL INFORMATION

CO₂ FLOW RATE*

- Subcritical: 0.8 kg/min
- Supercritical: 0.4 kg/min

COMPRESSOR DISPLACEMENT

- 21 liters/min

VESSEL CONFIGURATION

- 5L

ELECTRICAL

- **Power Options:**
 - 1-phase: 230V (60Hz)
 - 3-phase: 208V, 230V, 460V (50 or 60Hz)
- **Power Consumption:**
 - 12.9 kW

ADVANTAGES

- 95% CO₂ gas recovery, closed loop system
- Open frame design
- Valveless Expansion Technology: no clogging
- Internet messaging and data collection
- Fractionates terpenes
- Manufactured in ASME certified facility

*ACTUAL FLOW RATE DURING EXTRACTION IS DERIVED FROM THE EXTRACTION PROCESS PARAMETERS AS WELL AS THE CONDITION OF THE SYSTEM. MAXIMUM FLOW VARIABILITY IS DERIVED FROM THE CONDITION OF THE SYSTEM AND ITS COMPONENTS AT THE TIME OF MEASUREMENT. CONDITION REFERS TO BUT IS NOT LIMITED TO ELECTRICAL SUPPLY TO THE SYSTEM, AGE OF SYSTEM COMPONENTS, FUNCTIONALITY OF SYSTEM COMPONENTS, GEOGRAPHIC LOCATION OF THE SYSTEM, AND CO₂ LEAKS IN THE SYSTEM.

PRICING FOR THE UNITED STATES MARKET

System	Equipment Cost	Approximate Processing Capacity (g)	Approximate Processing Capacity (lb)	CO ₂ Recovery & Reload Time (h)	Total Machine Run Time per Day (hours)	Source Material	Cycle Run Time (hr)	Run/Day	Raw Material Processed per Day (g/day)	Raw Material Processed per Day (lbs/day)	Quality of Source Material	Average Yield (%)	Average Yield per Run (g)	Average Yield per Day (g/day)
I.2000-5LD	\$114,250	1,135	2.5	1	24	Hemp	3.3	5.6	6,409	14	Low Mid High**	7% 13% 20%	79 148 227	449 833 1,282
						Cannabis	5.0	4.0	4,540	10	Low Mid High	7% 14% 20%	79 159 227	318 636 908

**20% hemp assumes high CBD cannabis

DAILY OPERATIONAL COSTS

System	Service Plan Cost per Day	Power Consumption (kW)	Electrical Cost per Day	CO ₂ Cost per Day	Total Daily Operational Cost (Includes Labor)
I.2000-5LD	\$19	12.9	\$56	\$21	\$186

CO₂ cost per pound \$1.25
Electricity kWh cost \$0.18
Labor rate/hour \$16

TRAINING:

- All Apeks systems include free onsite or virtual training.
- Training is a two step process: FaceTime/Skype to verify set up and operation, followed by a four hour block of instruction of system operation and preventative maintenance.
- Alaska, Hawaii and international locations may require additional costs for onsite training.

WARRANTY/SERVICE:

- 1 year warranty covers all parts/labor.
- A comprehensive 70+ point preventative maintenance service plan available.
- Field service verification voucher from PSI.

FINANCING:

- Please call 720-541-7301 for financing information.

ASSUMPTIONS:

- Approximate processing capacity assumes a 200-300 micron particle size.
- Single phase and three phase power available at 60Hz. Call for pricing for international conversions to 50Hz.
- Run times are calculated with supercritical parameters on decarbed material.
- 80-90% extraction completion.
- Labor only required for load/reload time.
- Machine can run unattended during extraction.

SHIPPING:

- Pricing available upon request.
- Please contact us for international shipment costs, duties and fees.

PURCHASE TERMS:

- 50% down, 50% upon completion.
- System ships upon receipt of full payment.
- Sales tax will apply unless tax exempt.



ILLUSTRATION PURPOSES ONLY. THESE 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.

INTRODUCTORY: THE BAMBINO® PRICE LIST FEBRUARY 2022

APEKS CO₂ EXTRACTION THE TRANSFORMER®

Designed with expansion in mind, The Transformer® helps to transition your business between start-up to high production, balancing value with production output. Ideal for mid-range production operations.



FULL AUTOMATION



VALVELESS EXPANSION TECHNOLOGY



25-31 POUNDS PER DAY



MADE IN USA

THE TRANSFORMER® TECHNICAL INFORMATION

CO₂ FLOW RATE*

- Subcritical: 2.1 kg/min
- Supercritical: 1.0 kg/min

COMPRESSOR DISPLACEMENT

- 67 liters/min (1st Stage)

VESSEL CONFIGURATION

- 5L
- 20L
- 5LX5L
- 5LX20L
- 20LX20L

ELECTRICAL

- **Power Options:**
 - 1-phase: 230V (60Hz)
 - 3-phase: 208V, 230V, 460V (50 or 60Hz)
- **Power Consumption:**
 - 23.8 kW

ADVANTAGES

- Expansion up to 40 liters
- 95% CO₂ gas recovery, closed loop system
- Open frame design
- Valveless Expansion Technology: no clogging
- Internet messaging and data collection
- Fractionates terpenes
- Manufactured in ASME certified facility

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PRICING FOR THE UNITED STATES MARKET

System	Equipment Cost	Approximate Processing Capacity (g)	Approximate Processing Capacity (lb)	CO ₂ Recovery & Reload Time (h)	Total Machine Run Time per Day (hours)	Source Material	Cycle Run Time (hr)	Run/Day	Raw Material Processed per Day (g/day)	Raw Material Processed per Day (lbs/day)	Quality of Source Material	Average Yield (%)	Average Yield per Run (g)	Average Yield per Day (g/day)
2000-5LD***	\$163,888	1,135	2.5	1	24	Hemp	1.7	9.8	11,118	24	Low Mid High**	7% 13% 20%	79 148 227	778 1445 2,224
						Cannabis	2.425	7.6	8,580	19	Low Mid High	7% 14% 20%	79 159 227	601 1,201 1,716
2000-20LD***	\$202,950	4,540	10.0	1.0	24	Hemp	6.8	3.1	13,969	31	Low Mid High**	7% 13% 20%	318 590 908	978 1,816 2,794
						Cannabis	9.7	2.47	11,233	25	Low Mid High	7% 14% 20%	318 636 908	786 1,573 2,247
2000-5Lx5LD	\$184,500	2,270	5.0	1.25	24	Hemp	3.4	5.2	11,716	26	Low Mid High**	7% 13% 20%	159 295 454	820 1,523 2,343
						Cannabis	4.85	4.9	11,233	25	Low Mid High	7% 14% 20%	159 318 454	786 1,573 2,247
2000-5Lx20LD	\$227,591	5,675	12.5	1.50	24	Hemp	8.5	2.4	13,620	30	Low Mid High**	7% 13% 20%	397 738 1,135	953 1,771 2,247
						Cannabis	12.13	2.0	11,233	25	Low Mid High	7% 14% 20%	397 795 1,135	786 1,573 2,247
2000-20Lx20LD	\$249,475	9,080	20.0	1.75	24	Hemp	13.6	1.6	14,197	31	Low Mid High**	7% 13% 20%	636 1,180 1,816	994 1,846 2,839
						Cannabis	19.40	1.2	11,233	25	Low Mid High	7% 14% 20%	636 1,271 1,816	786 1,573 2,247

*** = expandable MODULE UPGRADES | 2000-5L Module - \$19,200 | 2000-20L Module - \$52,800 | Module Install - \$4,500

**20% hemp assumes high CBD cannabis

DAILY OPERATIONAL COSTS

System	Service Plan Cost per Day	Power Consumption (kW)	Electrical Cost per Day	CO ₂ Cost per Day	Total Daily Operational Cost (Includes Labor)
2000-5LD	\$25	23.8	\$103	\$37	\$282
2000-20LD	\$25	23.8	\$103	\$12	\$188
2000-5Lx5LD	\$25	23.8	\$103	\$19	\$250
2000-5Lx20LD	\$25	23.8	\$103	\$9	\$194
2000-20Lx20LD	\$25	23.8	\$103	\$6	\$177

CO₂ cost per pound \$1.25
Electricity kWh cost \$0.18
Labor rate/hour \$16

TRAINING:

- All Apeks systems include free onsite or virtual training.
- Training is a two step process: FaceTime/Skype to verify set up and operation, followed by a four hour block of instruction of system operation and preventative maintenance.
- Alaska, Hawaii and international locations may require additional costs for onsite training.

WARRANTY/SERVICE:

- 1 year warranty covers all parts/labor.
- A comprehensive 70+ point preventative maintenance service plan available.
- Field service verification voucher from PSI.

FINANCING:

- Please call 720-541-7301 for financing information.

ASSUMPTIONS:

- Approximate processing capacity assumes a 200-300 micron particle size.
- Single phase and three phase power available at 60Hz. Call for pricing for international conversions to 50Hz.
- Run times are calculated with supercritical parameters on decarbed material.
- 80-90% extraction completion.
- Labor only required for load/reload time.
- Machine can run unattended during extraction.

SHIPPING:

- Pricing available upon request.
- Please contact us for international shipment costs, duties and fees.

PURCHASE TERMS:

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- System ships upon receipt of full payment.
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MID-RANGE OUTPUT: THE TRANSFORMER® PRICE LIST FEBRUARY 2022



APEKS CO₂ EXTRACTION THE DUPLEX®

Specifically engineered for subcritical high production output, The Duplex® is more efficient than liquid pumping systems, is GMP friendly, and reduces post processing requirements. Four separators and two separator cups provide continuous batch operation while the regenerative heat exchanger allows cold separation, preventing thermal degradation while conserving energy. Designed for large scale operations.



FULL AUTOMATION



COMPATIBLE WITH THE FLEET®



126-180 POUNDS PER DAY



MADE IN USA

THE DUPLEX® TECHNICAL INFORMATION

CO₂ FLOW RATE*

- Subcritical: 6.1 kg/min
- Supercritical: 2.9 kg/min

COMPRESSOR DISPLACEMENT

- 133 liters/min

VESSEL CONFIGURATION

- 20Lx20L
- 4x20L

ELECTRICAL

- **Power Options:**
3-phase: 208V, 230V, 460V, 575V
(50 or 60Hz)
- **Power Consumption:**
64.7 kW

ADVANTAGES

- Compatible with The Fleet® platform
- Extractor, separator and mechanical components can be separated to prevent cross-contamination
- Optimized for subcritical extractions
- 95% CO₂ gas recovery, closed loop system
- Open frame design
- Valveless Expansion Technology: no clogging
- Internet messaging and data collection
- Fractionates terpenes
- Manufactured in ASME certified facility

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PRICING FOR THE UNITED STATES MARKET

System	Equipment Cost	Approximate Processing Capacity (g)	Approximate Processing Capacity (lb)	CO ₂ Recovery & Reload Time (h)	Total Machine Run Time per Day (hours)	Source Material	Cycle Run Time (hr)	Run/Day	Raw Material Processed per Day (g/day)	Raw Material Processed per Day (lbs/day)	Quality of Source Material	Average Yield (%)	Average Yield per Run (g)	Average Yield per Day (g/day)
2000-20Lx20LDU	\$455,775	9,080	20	n/a (continuous batch)	24	Hemp	2.66	9.0	81,925	180	Low Mid High**	7% 13% 20%	1,271 2,361 3,632	5,735 10,650 16,385
						Cannabis	3.8	6.3	57,347	126	Low Mid High	7% 14% 20%	1,271 2,542 3,632	4,014 8,029 11,469
2000-4x20LDU	\$553,007	18,160	40	n/a (continuous batch)	24	Hemp	5.32	4.5	81,925	180	Low Mid High**	7% 13% 20%	1,271 2,361 3,632	5,735 10,650 16,385
						Cannabis	7.6	3.2	57,347	126	Low Mid High	7% 14% 20%	1,271 2,542 3,632	4,014 8,029 11,469

**20% hemp assumes high CBD cannabis

DAILY OPERATIONAL COSTS

System	Service Plan Cost per Day	Power Consumption (kW)	Electrical Cost per Day	CO ₂ Cost per Day	Total Daily Operational Cost (Includes Labor)
2000-20Lx-20LDU	\$33	64.7	\$280	\$34	\$490.58
2000-4x-20LDU	\$33	64.7	\$280	\$17	\$401.48

CO₂ cost per pound \$1.25
Electricity kWh cost \$0.18
Labor rate/hour \$16

TRAINING:

- All Apeks systems include free onsite or virtual training.
- Training is a two step process: FaceTime/Skype to verify set up and operation, followed by a four hour block of instruction of system operation and preventative maintenance.
- Alaska, Hawaii and international locations may require additional costs for onsite training.

WARRANTY/SERVICE:

- 1 year warranty covers all parts/labor.
- A comprehensive 70+ point preventative maintenance service plan available.
- Field service verification voucher from PSI.

FINANCING:

- Please call 720-541-7301 for financing information.

ASSUMPTIONS:

- Approximate processing capacity assumes a 200-300 micron particle size.
- Single phase and three phase power available at 60Hz. Call for pricing for international conversions to 50Hz.
- Run times are calculated with supercritical parameters on decarbed material.
- 80-90% extraction completion.
- Labor only required for load/reload time.
- Machine can run unattended during extraction.

SHIPPING:

- Pricing available upon request.
- Please contact us for international shipment costs, duties and fees.

PURCHASE TERMS:

- 50% down, 50% upon completion.
- System ships upon receipt of full payment.
- Sales tax will apply unless tax exempt.



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HIGH OUTPUT: THE DUPLEX® PRICE LIST FEBRUARY 2022

APEKS CO₂ EXTRACTION

THE FORCE[®]

Developed for supercritical high production output, The Force[®] is optimized for supercritical extraction but flexible, offering higher and lower subcritical parameters. The newest model features dual separators and dual extractor vessels that allow for continuous batch extraction. The Force[®] is designed for large scale operations.



FULL AUTOMATION



COMPATIBLE WITH THE FLEET[®]



140-200 POUNDS PER DAY

MADE IN USA



THE FORCE[®] TECHNICAL INFORMATION

CO₂ FLOW RATE*

- Subcritical: 4.2 kg/min
- Supercritical: 3.5 kg/min

COMPRESSOR DISPLACEMENT

- 89 liters/min (1st Stage)
- 26 liters/min (2nd Stage)

VESSEL CONFIGURATION

- 20Lx20L
- 40Lx40L

ELECTRICAL

- **Power Options:**
3-phase: 208V, 230V, 460V, 575V
(50 or 60Hz)
- **Power Consumption:**
80.1 kW

ADVANTAGES

- Compatible with The Fleet[®] platform
- Gas pumping allows cold separation preventing thermal degradation
- Optimized for subcritical extractions
- 95% CO₂ gas recovery, closed loop system
- Open frame design
- Valveless Expansion Technology: no clogging
- Internet messaging and data collection
- Fractionates terpenes
- Manufactured in ASME certified facility

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PRICING FOR THE UNITED STATES MARKET

System	Equipment Cost	Approximate Processing Capacity (g)	Approximate Processing Capacity (lb)	CO ₂ Recovery & Reload Time (h)	Total Machine Run Time per Day (hours)	Source Material	Cycle Run Time (hr)	Run/Day	Raw Material Processed per Day (g/day)	Raw Material Processed per Day (lbs/day)	Quality of Source Material	Average Yield (%)	Average Yield per Run (g)	Average Yield per Day (g/day)
5000-20L x20L2ST	\$568,560	9,080	20	n/a (continuous batch)	24	Hemp	2.4	10	90,800	200	Low Mid High**	7% 13% 20%	636 1,180 1,816	6,356 11,804 18,160
						Cannabis	3.4	7	63,719	140	Low Mid High	7% 14% 20%	636 1,271 1,816	4,460 8,921 12,744

**20% hemp assumes high CBD cannabis

DAILY OPERATIONAL COSTS

System	Service Plan Cost per Day	Power Consumption (kW)	Electrical Cost per Day	CO ₂ Cost per Day	Total Daily Operational Cost (Includes Labor)
5000-20Lx20L2ST	\$41	80.1	\$346	\$38	\$585

CO₂ cost per pound \$1.25
Electricity kWh cost \$0.18
Labor rate/hour \$16

TRAINING:

- All Apeks systems include free onsite or virtual training.
- Training is a two step process: FaceTime/Skype to verify set up and operation, followed by a four hour block of instruction of system operation and preventative maintenance.
- Alaska, Hawaii and international locations may require additional costs for onsite training.

WARRANTY/SERVICE:

- 1 year warranty covers all parts/labor.
- A comprehensive 70+ point preventative maintenance service plan available.
- Field service verification voucher from PSI.

FINANCING:

- Please call 720-541-7301 for financing information.

ASSUMPTIONS:

- Approximate processing capacity assumes a 200-300 micron particle size.
- Single phase and three phase power available at 60Hz. Call for pricing for international conversions to 50Hz.
- Run times are calculated with supercritical parameters on decarbed material.
- 80-90% extraction completion.
- Labor only required for load/reload time.
- Machine can run unattended during extraction.

SHIPPING:

- Pricing available upon request.
- Please contact us for international shipment costs, duties and fees.

PURCHASE TERMS:

- 50% down, 50% upon completion.
- System ships upon receipt of full payment.
- Sales tax will apply unless tax exempt.



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HIGH OUTPUT: THE FORCE® PRICE LIST FEBRUARY 2022

APEKS CO₂ EXTRACTION THE FLEET®

The Fleet® is the perfect solution for large processing facilities looking to expand capacity. Multiple systems can cause redundancy and back up but with The Fleet®, up to three systems can be added to one platform using a single external chiller. It is an efficient and practical solution with each system capable of operating with different parameters at the same time.



EXPANDABLE



FLEXIBLE



420-600 POUNDS PER DAY



MADE IN USA

THE FLEET® TECHNICAL INFORMATION

CO₂ FLOW RATE*

- Subcritical: 12.6 kg/min
- Supercritical: 18.3 kg/min

COMPRESSOR DISPLACEMENT

- 133 liters/min (1st Stage)
- 89 liters/min (2nd Stage)

VESSEL CONFIGURATION

- Up to three Duplex® systems
- Up to three Force® systems
- Combination of the two

ELECTRICAL

- **Power Options:**
3-phase: 208V, 230V, 460V, 575V
(50 or 60Hz)
- **Power Consumption:**
194.1 kW (The Duplex®)
240.3 (The Force®)

ADVANTAGES

- Flexible platform – expand as you grow
- Gas pumping allows cold separation preventing thermal degradation
- 95% CO₂ gas recovery, closed loop system
- Open frame design
- Valveless Expansion Technology: no clogging
- Internet messaging and data collection
- Fractionates terpenes
- Manufactured in ASME certified facility

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PRICING FOR THE UNITED STATES MARKET

System		Equipment Cost	Approximate Processing Capacity (g)	Approximate Processing Capacity (lb)	CO2 Recovery & Reload Time (h)	Total Machine Run Time per Day (hours)	Source Material	Cycle Run Time (hr)	Run/Day	Raw Material Processed per Day (g/day)	Raw Material Processed per Day (lbs/day)	Quality of Source Material	Average Yield (%)	Average Yield per Run (g)	Average Yield per Day (g/day)
The Duplex®	2000-20Lx20LDU	\$1,367,325	27,240	60	n/a (continuous batch)	24	Hemp	2.66	9.0	245,774	541	Low Mid High**	7% 13% 20%	3,814 7,082 10,896	17,204 31,951 49,155
							Cannabis	3.8	6.3	172,042	378	Low Mid High	7% 14% 20%	3,814 7,627 10,896	12,043 24,086 34,408
	2000-4x20LDU	\$1,659,021	54,480	120	n/a (continuous batch)	24	Hemp	5.32	4.5	245,774	541	Low Mid High**	7% 13% 20%	3,814 7,082 10,896	17,204 31,951 49,155
							Cannabis	7.6	3.2	172,042	378	Low Mid High**	7% 14% 20%	3,814 7,627 10,896	17,204 34,408 49,155
The Force®	5000-20Lx20L2ST	\$1,705,680	27,240	60	n/a (continuous batch)	24	Hemp	4.8	10	272,400	599	Low Mid High**	7% 13% 20%	1,907 3,041 5,448	19,068 35,412 54,480
							Cannabis	3.4	7	191,158	421	Low Mid High	7% 14% 20%	1,907 3,814 5,448	13,381 26,762 38,232

Start with one Duplex® 20Lx20LDU on The Fleet® platform for \$550,775, add a second for \$430,775, and a third for \$430,775
Start with one Force® 20Lx20L2ST on The Fleet® platform for \$618,560, add a second for \$543,560, and a third for \$543,560

**20% hemp assumes high CBD cannabis

DAILY OPERATIONAL COSTS

System	Service Plan Cost per Day	Power Consumption (kW)	Electrical Cost per Day	CO ₂ Cost per Day	Total Daily Operational Cost (Includes Labor)
The Duplex®	2000-20Lx20LDU	\$99	194.1	\$839	\$1,183.01
	2000-4x20LDU	\$99	194.1	\$51	\$1,060.07
The Force®	5000-20Lx20L2ST	\$123	240.3	\$1,038	\$1,433.88

CO₂ cost per pound \$1.25
Electricity kWh cost \$0.18
Labor rate/hour \$16

TRAINING:

- All Apeks systems include free onsite or virtual training.
- Training is a two step process: FaceTime/Skype to verify set up and operation, followed by a four hour block of instruction of system operation and preventative maintenance.
- Alaska, Hawaii and international locations may require additional costs for onsite training.

WARRANTY/SERVICE:

- 1 year warranty covers all parts/labor.
- A comprehensive 70+ point preventative maintenance service plan available.
- Field service verification voucher from PSI.

FINANCING:

- Please call 720-541-7301 for financing information.

ASSUMPTIONS:

- Approximate processing capacity assumes a 200-300 micron particle size.
- Single phase and three phase power available at 60Hz. Call for pricing for international conversions to 50Hz.
- Run times are calculated with supercritical parameters on decarbed material.
- 80-90% extraction completion.
- Labor only required for load/reload time.
- Machine can run unattended during extraction.

SHIPPING:

- Pricing available upon request.
- Please contact us for international shipment costs, duties and fees.

PURCHASE TERMS:

- 50% down, 50% upon completion.
- System ships upon receipt of full payment.
- Sales tax will apply unless tax exempt.



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HIGH OUTPUT EXPANSION PLATFORM: THE FLEET® FEBRUARY 2022



Thank you!

720.541.7301

SALES@APEKSSUPERCritical.COM

APEKSSUPERCritical.COM