

ROI CALCULATOR

T-SEP

VS CHROMATOGRAPHY



PRECISION
EXTRACTION SOLUTIONS

T-SEP provides as much as **1.7X more profitability** than comparable chromatography!

T-SEP is a revolutionary, patent-pending THC removal process that's efficient, scalable and extremely cost-effective. At a consumable expense of approximately \$3.50 per liter, this groundbreaking technology mitigates the exorbitant cost of flash chromatography media thus creating a lower cost alternative to traditional cannabinoid separation techniques.

The T-SEP Model 7LPH configuration includes 3x 100L vessels with all necessary appendages and is capable of processing up to 7 liters of crude oil per hour.

	T-SEP 7LPH	RP FLASH 150	RP FLASH 400
Input Per 10-Hour Shift (Crude)	70L	70L	70L
Base Price	\$520,000	\$72,000	\$284,000
Quantity of Units	<i>Units needed to achieve 70L per 10 hour shift</i>		
	1	14	3
Cap Ex	\$520,000	\$1,008,000	\$852,000
Install	Included	\$5,000	\$5,000
Training	Included	\$5,000	\$5,000
Total Cap Ex (Upfront Costs)	\$520,000	\$1,018,000	\$862,000
Volume Per Hour, in Liters*	7	0.5	2.3
Cartridge Life (in Liters of Input Oil)*	N/A	30	206
Filter Media Cartridge Cost*	N/A	\$13,000	\$90,000
Cartridge Life (in Liters of Input Oil)*	N/A	30	206
		<i>Assumes 75 cycles at advertised throughputs</i>	
Solvent Losses (Per Liter of Input Oil)	\$3.50	\$3.50	\$3.50
Consumables Per Liter Processed	\$3.50	\$436.83	\$440.39
	<i>Cost per Liter based on Solvent Loss and Filter Media</i>		
Operational Expenses Per 10-Hour Shift	\$245	\$30,578	\$30,827.52
Operational Expenses Per Annum	\$61,740	\$7,705,740	\$7,768,536.12
	<i>Based on 252 working days per annum @ 10 hour shift/day</i>		
Liters Processed Per Annum	17,640	17,640	17,640
Value Add Per Liter (Variable)	\$1,000	\$1,000	\$1,000
	<i>\$600/kg crude, \$1,600/kg THC free crude</i>		
Gross Added Value	\$17,640,000	\$17,640,000	\$17,640,000
Less Operational Costs	\$61,740	\$7,705,740	\$7,768,536.12
Gross Profit Per Annum	\$17,578,260	\$9,934,260	\$9,871,463.88

Note: The information contained herein substantially relies on estimates. While believed to be reasonably accurate at time of this writing, actual efficiencies and results may vary.

* Median data via 2020 market | For more information, please contact your Precision Sales Representative