



Boulder Creek Technologies

VAPOR-STATIC EXTRACTION

maratek

Automate | Optimize | Scale

Continuous Solventless Extraction Equipment

Vapor-Static

Solventless Extraction System



Up to
5,000 lbs (2,250 kg)
Biomass per Day



Continuous,
Simple Operation



Fully-Automated
Control System



High Quality
Concentrate

maratek.com

est. 1967

Vapor-Static Extraction System

Ease of
Operation

Good for
the Earth

Better for
Your Workforce

High Quality
Concentrate

Better for
the Bottom Line

Key Equipment Features:

- Throughput up to 5,000 lbs (2,250 kg) per day
- Eliminates the need for C1D1 or C1D2 facility design and expense
- High extraction efficiency
- Dramatic OP EX reduction
- Significant CAP EX reduction
- Solventless extraction
- Fully automated control system
- Limited ancillary equipment required
- Produces a high quality concentrate with no sugars and low wax content
- Manufactured in Canada and USA



System Module Basics

Heater/Contactor Module

Biomass is continuously introduced into a heated air stream where the cannabinoids are vaporized. The biomass is in contact with heat for only a few seconds. The biomass material is then separated from the vapor stream.

Water System Module

The vapor stream is shock-cooled and becomes a non-coalescing fog.

Collection Module

The cannabinoid-rich fog is carried into an electrostatic precipitator, where an electromagnetic field pulls the cannabinoids out of the fog for collection. The resulting high-quality concentrate is then pumped from the system into a collection vessel.

Clean-In-Place (CIP) Module

The CIP module allows easy cleaning and sanitization of the majority of the system infrastructure without having to disassemble major components.

Controls Module

The controls module consists of temperature, pressure, level, and many other sensors that are integrated using our proprietary software to allow automated processing. Control information is presented to the operator in an intuitive screen for ease of operation. A single operator can operate even our largest system using the controls module.

Biomass
Introduction



Flash
Vaporization



Electrostatic
Precipitation



Vapor-Static
Concentrate Out



About Maratek

Maratek is an award-winning industry leader in the solvent recycling and cannabis & hemp oil production industries. We strive for the highest safety and quality standards with all our equipment designated as Class 1 Division 1 certified, and UL listed using only North American stainless steel, parts, and labour.

With over 50 years of experience in solvent waste and recovery industry, Maratek has solved a wide variety of engineering challenges. Let us provide world-class engineering services to integrate systems and provide closed loop cannabis & hemp oil production processes.

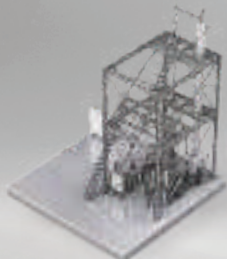
Vapor-Static Solventless
Extraction System



Oil and Ethanol Recovery Systems - OERS & Helios



Fractional Distillation and
Dewatering Systems - F-Series



The Maratek Family of Cannabis & Hemp Equipment and Services

Water Extraction and Refining
Trident and Poseidon



Turnkey Automatic
Winterization Systems - TAWS



MIPs



Isolate
Production



Oil Distillation
Systems



Engineering
Services

Contact

References available upon request with installations in facilities across the US, Canada and globally.
Contact us now for a quote on our family of cannabis and hemp solutions!

Call: 905.857.2738 | Toll Free: 1.800.667.6272 | Email: sales@maratek.com | www.maratek.com

Canada
39 Nixon Road
Bolton, Ontario,
Canada,
L7E 1K1

USA
250 Monroe Ave
NW, Suite 400
Grand Rapids, MI
49503

Mexico
Fuente Bella 3299,
Ciudad de Mexico,
14130,
Mexico

maratek
Automate | Optimize | Scale