

Extraction Technology-Water

Batch Cold Water Extraction Equipment

maratek
Automate | Optimize | Scale

TRIDENT

Water Extraction Equipment



80 Gallon
Working Capacity



Fully Automated
Cycles



UltraVibe Filtration



High Quality
Hash & Oil Production

maratek.com

est. 1967

Trident Cold Water Extraction

316 Stainless Steel

Food Grade Pumps

Sanitary Piping and Connections

Closed Loop Water Chilling

Remote Access PLC

Key Equipment Features:

- 316 stainless steel on all product contacting surfaces
- 100-gallon total volume / 80-gallon working volume
- Produces consistent and high-quality hash, oil or rosin
- Food grade pumps and sanitary connections
- Designed for long term use with minimal wear and tear or consumables
- Easy to install- fits through a 48-inch doorway
- 0.5-1.5°C closed loop water chilling
- UltraVibe filtration- FDA approved vibrating screen filter solution
- Maratek quickswitch mixing technology including interchangeable and customizable blades to optimize hash yields
- Maratek 3C technology
- SOP/recipe packages available
- On site recipe customization
- Optional EXR carrier oil emulsion and decarboxylation reactor



Maratek 3C Technology

3 C Technology offers you complete cycle control of all operating parameters. This includes roation speed, rotation duration, torque settings, agitation speed and agitation time. These settings can be saved under different recipes, each customizable for unique applications



Trident Cold Water Extraction



Water Extraction Process

- Step 1: Load biomass for processing
- Step 2: Select recipe on PLC
- Step 3: The system will automatically fill, agitate, spin and drain as per the recipe selected
- Step 4: Unload biomass
- Step 5: Collect trichomes from the UltraVibe filter stack
- Step 6: Run next cycle
- Step 7: Process trichomes into hash, oil or rosin

**Let Maratek's 3C Automated PLC
work for you!**

Gentle Separation

Most other water extraction solutions use internal mixing or agitation which can cause damage to the biomass which increases impurities and degrades trichome quality.

The Trident system uses gentle external agitation to ensure an ideal trichome separation while preventing excess damage to the biomass.

What is the EXR?

As an optional feature we can include a reactor which can infuse/emulsify your high quality water hash product into the carrier oil of your choice. This produces a food grade, solvent free, ready to sell product which has not lost any terpenes from drying or exposure to solvents. The reactor is also able to decarboxylate the product if you wish.



About Maratek

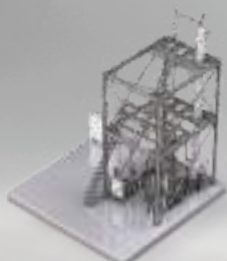
Maratek is an award-winning industry leader in the solvent recycling and cannabis & hemp oil production industries. We strive for the highest safety and quality standards with all our equipment designated as Class 1 Division 1 certified, and UL listed using only **North American stainless steel, parts,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

Cryogenic Ethanol Extraction
Series - EV - M



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!

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