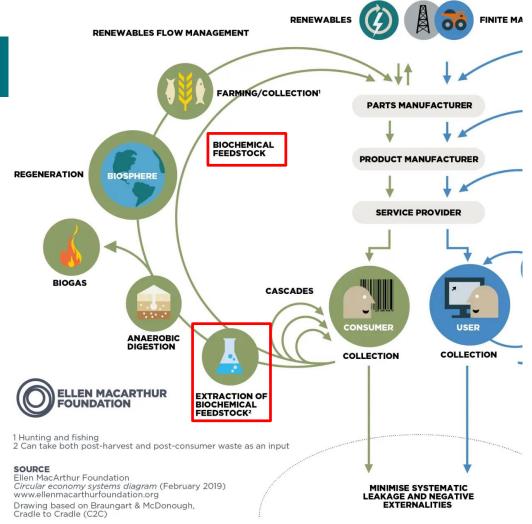


Circular Economy

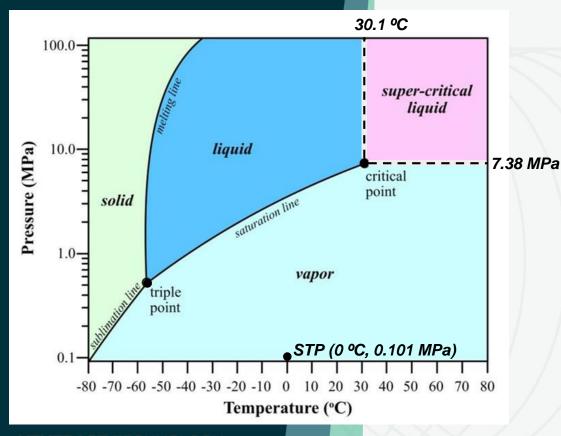
Eliminate waste and pollution

Circulate products and materials at their highest value

Regenerate nature



Supercritical CO₂?



WHAT IS IT?

Beyond a solid, liquid, or gas. A state that exhibits gas-like diffusivity and liquid-like solvent power.

WHAT CAN IT DO?

Penetrates cells to supersaturate them with high-energy CO₂.

Lifts and carries non-polar and slightly-polar molecules from biomass.

Releases molecules as the energy drops

Extracted compounds and the processed biomass are sterilized.



"...a major breakthrough in green extraction tech, making the traditional process exponentially better."

—Chris Gallagher, Contributor, USA Today







Ingredient Discovery

Ingredients that have been inaccessible or not economically viable are now possible.

What is your goal – health, flavor, texture, color, performance, or all of the above?

Compound Purity

Compound extraction with precision – repeatable, rapid supercritical extraction and fractionation in one-step.





Value Recovery

In a circular economy, every molecule has value. Wasting bio-resources is a missed opportunity to grow your business and keep it sustainable.

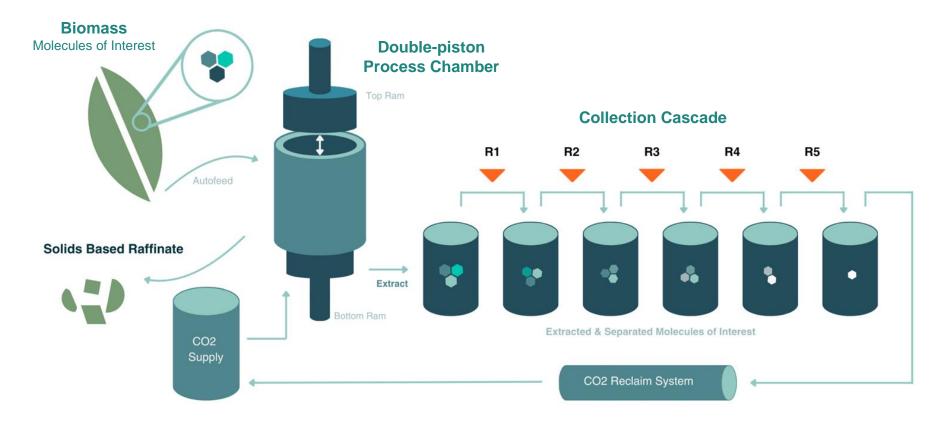






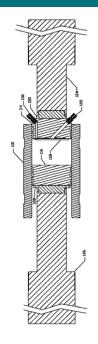


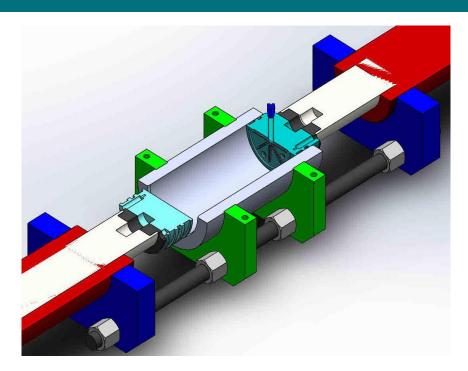
AUTOMATED EXTRACTION & FRACTIONATION





Supercritical Reinvented







(12) United States Patent Fuchs et al.

(10) Patent No.: US 11,376,522 B2 (45) Date of Patent: Jul. 5, 2022





Industrial: Cleaner and Smarter

Traditional scCO2 Extraction No major breakthrough in 50 years	NEXTRACT TECHNOLOGY Supercritical Extraction Reinvented
Small/Boutique Applications Size: benchtop up to 2 tons per day	✓ Industrial Scale Size: 1-25 tons per hour
Pre-processing required Grinding & bagging	No pre-processing Direct feed of biomass
Slow extraction times 40 minutes - 16 hours	Rapid extraction Less than 15 minutes
Many downstream steps To achieve target fractions	No downstream steps required Fractionate in one step
Manual, multi-step, time-consuming process Does not scale cost-effectively	Automated end-to-end process Designed to scale cost-effectively



Platform Model, Rapid ROI

Reduce



80%

Automate



12:1

Scale



100x



