

## Reinventing Botanical Extraction

With the incessant demand for consumer grade hemp CBD rich products, along with CBD isolate for product infusion, there is a bottleneck between harvest and concentrate extraction. This is because most farmers don't have funding or capabilities to perform extraction. Third party extractors, termed "toll" processors often demand a 50 percent toll for their services. Unfortunately, there aren't many processors available and many are unreliable.

Of the extraction systems available on the market, they are high-priced, legacy-based systems that perform inefficiently, and effectively cause a bottleneck in processing.

Infinity Supercritical recognized these inherent issues in 2015, and established a line of technologically advanced extraction systems.

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### PROBLEM

**Hemp Extraction:** Large quantities of hemp need to be extracted at harvest time to preserve the unique medicinal qualities of the plant oil.

**Batch Processing:** The industry currently has large batch processing systems, which limit capability.

**Solvents:** Most processing is focussed on using solvents like butane, ethanol, and CO2.

**Response Time:** Extraction times are usually slow, and don't match market demand.

**Old Technology:** Current extraction systems are based on 60 year old technology.

### SOLUTION

**Infinity Supercritical offers a full spectrum line of technologically advanced equipment.**

**Low Value Hemp Processing:** fast 1 hour ethanol extraction and winterization system using a magnetic mixer.

**High Value Hemp Extraction:** High quality oil extraction Supercritical CO2 system.

**Large Volume:** Continuous feed, push-button extraction using water. Spinning Disc Reactor (SDR) system.

**Eco Extraction:** SDR uses water, and the only technology in the industry to introduce eco-extraction as a green branding process.

### WHY NOW ?

**Timing:** The market has a high demand for CBD rich hemp products.

**Opportunity** for this market exists as processors scramble to meet demand, with legacy extraction systems.

**Profits:** While the price of CBD rich consumer products is high, so is the profit. As the market gets saturated, the profit margin will decline.

**Green** products, with environmentally friendly processing, lead to brand loyalty and set the standard for product expectations.

**Market domination** will be held by large, efficient, processors that result in expanding profits.

