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## ***What's Happening at PSI***

### **Systems Available Now**

We currently have both a Rebel and a Bandit available for immediate purchase and delivery. Both systems utilize our proprietary design and can provide a return on investment in about 30 days.

The Rebel and the Bandit both feature Swagelok control and pressure relief valves providing the highest level of safety. We have selected top of the line domestic fittings, made with the highest quality 316 stainless steel, and components which have a verified track record for reliability. The Systems come equipped with an onboard heating and cooling unit and the air compressor can be sourced to provide a turnkey operation.

We have implemented our latest design, which provides ease of access for both operation and maintenance. If you would like to come see the systems and take a walk through tour of the operation, feel free to contact Matthias and schedule a demo at [1-866-262-5678](tel:1-866-262-5678), email [matthias.crandall@paradigmsupercritical.com](mailto:matthias.crandall@paradigmsupercritical.com) or visit our website <http://ParadigmSuperCritical.com>.

### **Financing Available**

We currently offer financing through "Trust Capital" and our agent, Kevin, does a great job in getting financing that companies need. Although the funds allocated for cannabis are beginning to diminish, there

is still financing available for those wanting to purchase a PSICO2 system. We have additional financing available so that we can find the best finance program for growing your business.

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## WHY OUR PSICO2 EXTRACTION SYSTEMS SHATTER EXPECTATIONS

A **solvent** is rated on its ability to capture and extract a desired compound. It's a general rule to select a solvent that will be effective and easily removed from the extract. Unfortunately, many good solvents are extremely toxic or have a large environmental impact when disposed of. For these reasons, CO<sub>2</sub> is a popular choice for many extraction experts.

**Until now**, CO<sub>2</sub> has been utilized for extracting botanical or essential oils, which are typically lighter in weight and have a low viscosity. To capture heavier compounds, such as cannabinoids, one simply needs to increase the CO<sub>2</sub> pressure, raising the solvent's density and effectiveness.

**Most CO<sub>2</sub>** systems on the market today are botanical oil extractors and do not offer high enough pressures for cannabinoid extractions. Botanical oil extractors targeting heavier compounds also extract the lighter impurities, which forces users to do an extensive purification process. The process of isolating the cannabinoids removes both desired and undesired compounds.

**PSICO<sub>2</sub>** extraction systems are engineered to deal with these problems by designing for pressures that maximize cannabinoid solubility. Our patent-pending collection system removes the impurities by utilizing fractional separation, as opposed to the traditional method of evaporating off the CO<sub>2</sub>.

**The end result** is a system that not only collects the highest quality extracts, it does it up to 5 times faster. Once the extract is removed from the collection chamber it is ready to go into the vacuum oven; it soon becomes the familiar form of shatter or wax. When the extract doesn't need ethanol purification the terpenes are preserved, giving a more complete and desirable profile of the extracted plant.

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## NCIA CANNABIS BUSINESS SUMMIT AND EXPO

**In June**, Paradigm Supercritical Innovations (PSI) exhibited at the NCIA Cannabis Business Summit and Expo in Oakland, California. Exhibitors from around the world showcased their products and set yet another example of the professionalism that exists in this new industry.

**The PSI team** left Oregon on Friday the 19th planning to meet with the family in the Oakland area. We spent a wonderful Father's day in Fremont, then straight to work setting up for opening day.

**PSI assembly** teammate, K.C. Mitchell, and I (Matthias Crandall) represented PSI on the expo hall floor Monday evening. At 5:00 pm a steady stream of people began to move into the expo hall.

**At our booth**, we had both PSICO2 extraction systems, the Rebel and the Bandit. We were able to easily differentiate our systems from botanical oil extractors; due to our unique patent-pending collection system, which uses an inline fractional separation process. What we shared to those that came to our booth, is that when capturing cannabinoids, our fractional separation system is clearly superior to botanical oil extractors using CO2. From 70% THC concentrations to faster process times, PSICO2 extractors make CO2 extractions practical for the cannabis industry. It was easy for people to understand that our dual chamber design is beneficial for both cost and efficiency reasons. Our interactions with attendees were reminders of why PSI was founded: to help people grow or enter into a market that would

normally be unavailable due to high price points for equipment

**All-in-all**, we had a great show and plan on returning next year. From the vendors to the attendees, there was great energy that we need to see continue in the industry. I am glad that we are a part of this great organization, the National Cannabis Industry Association.



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