

CDT CANNABIS DRYING TECHNOLOGIES

Case Study – Drying and Curing in 6 Hours Vs Nine Days

CDT worked with a cannabis processing partner in California using the POTCAT system to dry and cure marijuana buds in 2018. The demonstration unit was the POTCAT2, a portable, tabletop based system that can handle 4 to 6 pounds of trimmed flowers. Multiple trials were completed.

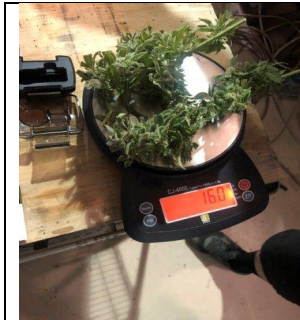


Figure 1: Starting weight of sample, 16g



Figure 2: Front view of POTCAT with Sample loaded

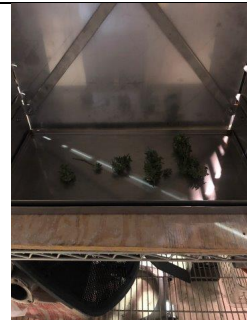


Figure 3: Sample being dried by POTCAT



Figure 4: Ending Weight after 1 hour, 9.5g



Figure 5: Final product after total process



Figure 6: Additional samples processed by the POTCAT

The POTCAT was able to dry the samples from 16 grams down to 9.5 grams (a 40.2% reduction in weight) in an hour. Additional testing found the best results with a cycle of heating, cooling, and heating again.

Results: The partner in California indicated that their current drying time takes up to 9 days. After the flowers have been dried, it would take an additional 20 to 25 days of curing time before the flowers would be ready for commercial distribution.

The POTCAT system shortened the drying and curing time down to a total of 6 hours. Figures 5 and 6 are samples that the partner saved to show the results of the trials. Additional samples were consumed and the conclusion was that there was no difference in taste or smell between those processed by the POTCAT and the traditional method.

Would you like to run a test pilot on your site? CDT will design, engineer, build, ship and service the POTCAT that's right for your production needs. Call us today.