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Softrim launches first-ever Robotics-Based Cannabis De-Leafing System

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Softrimâ?¢Â , the first-ever robotics-based cannabis de-leafing system â??Â providing hand-trim quality at machine-trim volumes and rates â?? will be introduced at the MJBizConference 2024 in Las Vegas.Â The next-generation system is designed to provide cannabis growers higher yields, lower labor costs, and increased end-user satisfaction through an improved final product.

Platform Robotics, headquartered inÂ Rochester Hills, Michigan, will formally introduce its patent-pending Softrimâ?¢Â 2000 and Softrimâ?¢Â 1000 cannabis cultivation systems during the event. The 2000 system caters to the outdoor segment; the 1000 system is targeted for the indoor segment.Â Â Both systems are capable of processing 1000 pounds of product per shift.

"Cannabis producers seeking high-volume, high-quality production cannot scale with hand-trim labor only, so they have relied on blade tumbler machines to attempt to achieve their goals," said John Baldiga, co-founder of Platform Robotics. "However, these machines shave off up to 35% of the flower bud, sending highly profitable flower into the trim containers."

"The Softrim system replaces bud shaving with a controlled gentle massage from robotically managed silicone fingers," he said. "The result is the similar quality and yield, or better, than hand-trim, at a rate of one pound of buds every 20 seconds. This technology, and the results it can provide, is a true breakthrough for the industry's volume cannabis growers."

Softrim's blade-free operation allows natural flower formations to remain intact during processing of the raw flower, maintaining desirable levels of THC and retaining the flower's appealing aroma, both critical to end-user satisfaction and thus grower sales.

The system is easy to learn and operate, reduces required labor, is extremely quiet, and is robustly designed to ensure reliable operation. Bucked flower is placed into the machine's incoming hopper. The raw flowers then drop vertically over the

rotating silicone fingers, which break the dried brittle sugar leaves off the dense flower. Processed buds and waste are captured separately.

The speed and direction of the fingers are programmable, and the combination for each strain can be saved when switching between flower strain types. One Softrim machine replaces several noisy rotary blade cutters, and consumes minimal power.