

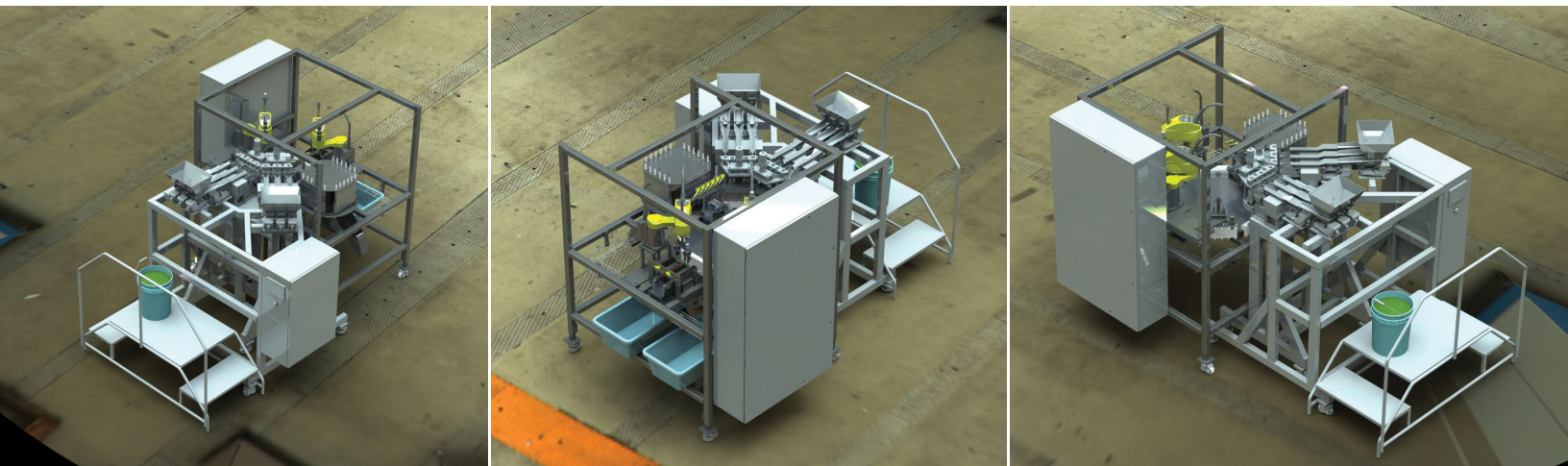


AUTOMATED ROBOTIC PRE-ROLL SYSTEM

EMERALD AUTOMATION

Emerald Automation partnered with All Fill and FANUC to create a high speed Pre Roll filling, twisting and weight validation system for the Cannabis Industry. The system consists of a pre roll cone delivery system to place empty cones into six single cone holders on an eight station rotatory table. With the cones in place, the servo driven table indexes the cones under an All Fill linear scale that accurately creates a single charge in desired weights; .5gr, .7gr and 1 gr fills. The system has two fill zones with three scales each. Once the charge is in the cone, it is rotated to a tamping section where all size cones are lightly tamped to a proper level. The tamped cones then rotate into position where a FANUC Scara robot engages each cone and twists the top closed. In station 6, two of the six completed joints are lifted by a second FANUC Scara robot and positioned onto separate load cells to validate the proper weight of each pre-roll. Pre-rolls that are out of spec are diverted into a reject bin for rework and the in spec pre-roll are diverted into a bin ready for final packaging. The last two cells are available for integrating vertical tube loading and blister pack loading. The system operates at 50 completed pre-rolls per minute with one operator.

**CONTACT MD PACKAGING INC. AT
416-291-9229 FOR MORE INFORMATION AND A QUOTE.**



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