

## A New Circular Juice Machine Turns Orange Peels into Bioplastic Cups

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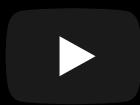
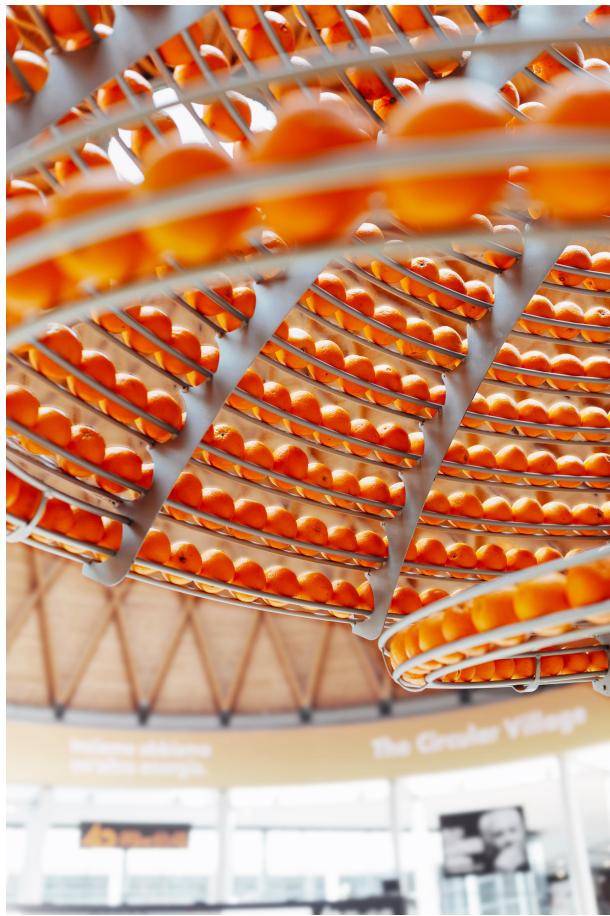


Freshly squeezed orange juice is a welcome sight at cafes worldwide. The machines often showcase about-to-be-squeezed oranges with pinball machine-esque wire loading racks and clear cases that allow the consumer to see their juice being made in real time. International design firm Carlo Ratti Associati (previously) takes the immediacy of the experience to another level. 'Feel the Peel' is a prototype machine that uses orange peels to create bioplastic, shaping bespoke cups to hold the juice made from the cups' own innards.

In a press release about the project, Carlo Ratti Associati (CRA) explains that the approximately 9-foot tall machine handles 1,500 oranges, and the peels accumulate in the lower level. The peels are dried, milled, and mixed with polylactic acid to form a bioplastic, which is then heated and melted so that an internal 3-D printer can form each recyclable cup. CRA shares that they will continue to iterate, and are considering creating clothing from orange peels as a future functionality.

Follow along with CRA's wide-ranging projects on [Instagram](#) and [Twitter](#). If you enjoy *Feel the Peel*, also check out the cone-shaped [french fry holders](#) made from potato peels, designed by Simone Caronni, Paolo Stefano Gentile and Pietro Gaeli, as well as [Mi Zhou's toiletry containers](#) made of soap. (via [designboom](#))





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