

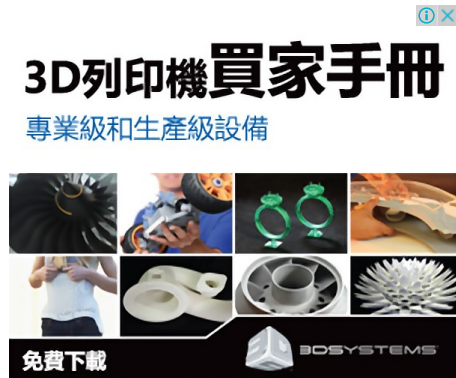
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## 3D printed digital sundial is just as cool as it sounds

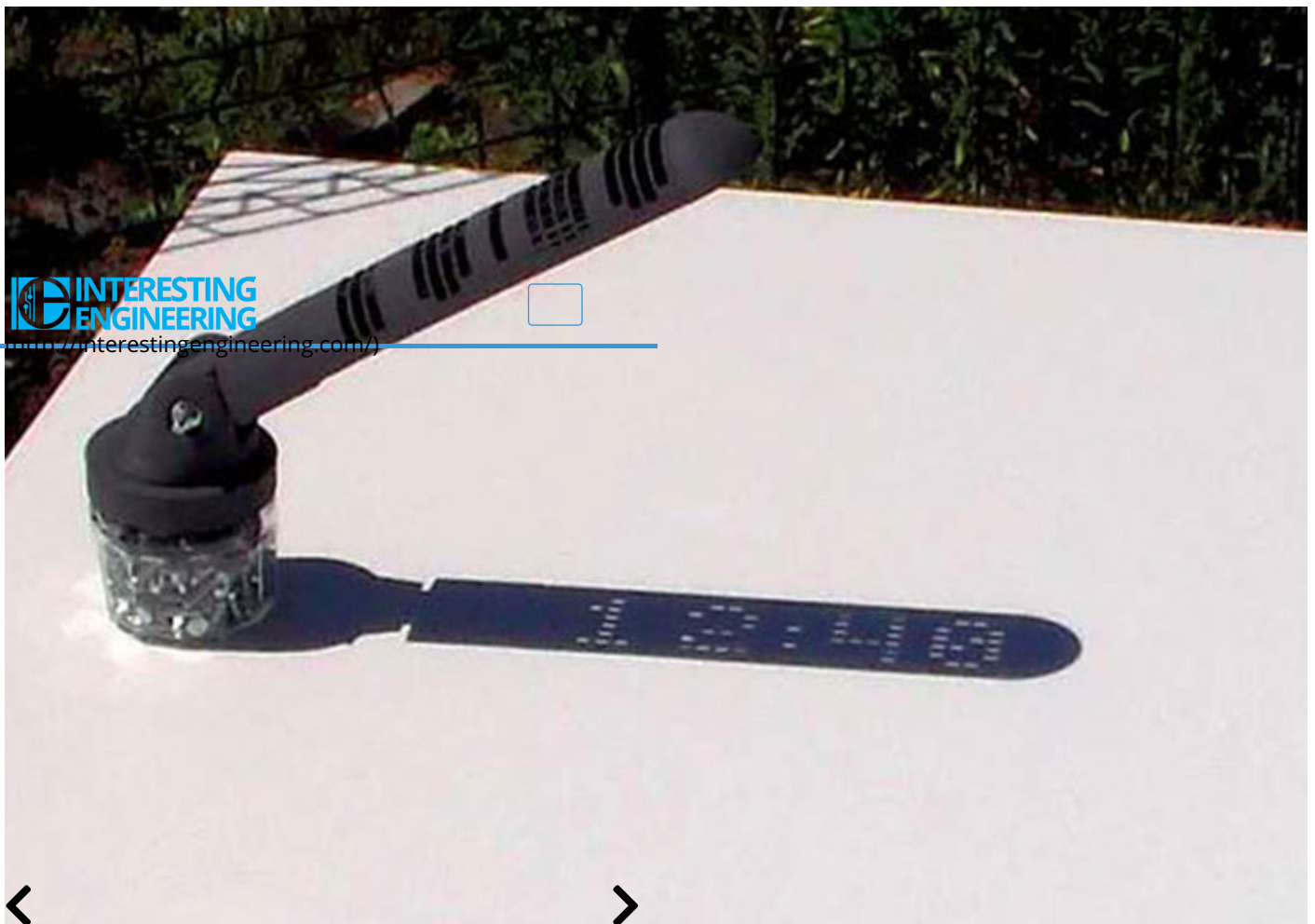
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January 2, 2016

GABRIELLE WESTFIELD ([HTTP://INTERESTINGENGINEERING.COM/AUTHOR/GABRIELLE-WESTFIELD/](http://interestingengineering.com/author/gabrielle-westfield/))



I have said it before I will say it again – we really love clocks (<http://interestingengineering.com/shadowplay-clock-uses-your-own-shadows-to-tell-time/>)! The more visionary the better, and if it's tech-savvy as well, then you really just own our hearts. Anyways, the latest time teller comes to us in a very unique form, a sort of new take on an old form of fabrication and we could not be more excited about it. From the creative mind of a French Etsy dealer and designed under the moniker Mojoptix (<http://www.mojoptix.com/2015/10/25/mojoptix-001-digital-sundial/>), the 3D printed sundial is the coolest clock we have seen all year as it matches a classic structure with digital age.





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The entire structure is 3D printed and Mojoptix actually open sources (<http://www.thingiverse.com/thing:1068443>) the script so you can find the Openscad script and the STL files and print it out yourself if you have access to a 3D printer. The tutorial is actually a story in and of itself. Julldozer, the inventor and host in the visual postcast actually goes through a pretty thorough explanation of how everything works, setting you up with all the skills necessary to make one yourself (again this is if you have access to a 3D printer).



The sundial has a few caveats like it can only tell time between 10AM and 4PM and also only in 20 minute increments. So for example, you will only see time like 10:00, 10:20, 10:40 rather than numerals between :00 and :20. This is understandable considering the dial is still limited to shadow play and works with very sensitive angles to display these times in analog.

Seeing shadows outline digits of the appropriate time is pretty cool and the fact that Julldozer leaves the script as an open source for anyone to print it out is really honorable. But if you would like to order it with minimal assembly it will only set you back about \$77

([https://www.etsy.com/ca/listing/248715228/digital-sundial?](https://www.etsy.com/ca/listing/248715228/digital-sundial?source=aw&awc=6073_1451425783_b62ebd8fc9971253f1f05c2213efe32b&utm_source=affiliate_window&utm_medium=affiliate&utm_campaign=)

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[EN] Mojoptix ep. #001: Digital Sundial



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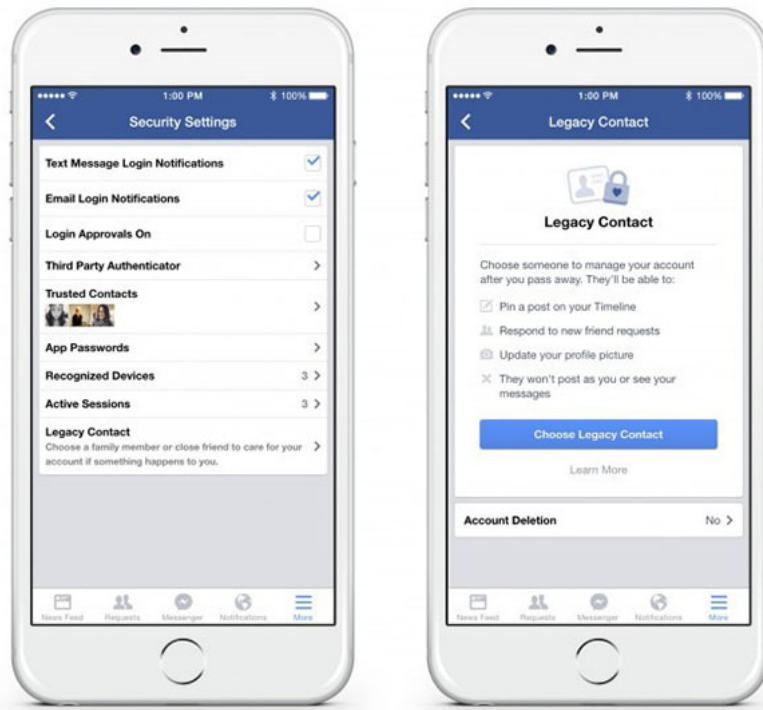
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