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## Penny-Scale 3D Prints Previewed at SIGGRAPH 2018

VANCOUVER, BC, CANADA—Aleph Objects, Inc., manufacturer of LulzBot 3D Printers, has a new tool head that enables users to [accurately 3D print penny-scale parts \(image link\)](#). The ultra precise Aerostruder v2 Micro Tool Head is at SIGGRAPH 2018, where attendees can watch this meticulous tool head in action, paired with the recently-released LulzBot Mini 2 3D Printer. The company will be showing off a “micro art gallery,” featuring tiny patrons viewing miniature art exhibits. The new tool head is expected to be available for purchase in September 2018.

The Aerostruder v2 Micro Tool Head features a genuine E3D Titan Aero Extruder/Hot End with a 0.25 millimeter nozzle and 360-degree part cooling for incredibly detailed prints and excellent overhang and bridge performance. This tool head is perfect for engineers, 3D artists, and designers seeking a higher level of detail and surface quality, while retaining the convenience and reliability offered by the LulzBot ecosystem including Cura LulzBot Edition software and Marlin firmware.

“The Aerostruder v2 Micro Tool Head—paired with the LulzBot Mini 2 3D Printer—has changed my perception of what is possible with filament 3D printing. In terms of resolution and surface finish, the prints from this new tool head are very impressive” Aleph Objects Product Specialist Adam Straight said. “The precision of E3D Titan Aero extruders and hot ends complements the premium quality built into every LulzBot 3D Printer.”

E3D, based in the United Kingdom, develops and manufactures premium 3D printer components. Aleph Objects’ partnership with E3D, now in its second year, is strengthened by the companies’ shared commitment to Open Source Hardware 3D printing development.

“Aleph Objects probably [has] the most useful and interesting array of tool heads for their 3D printers, and E3D is excited to contribute its expertise to a tool head that really pushes the limits of the technology - it's a lot of fun collaborating with a like-minded company that also trusts their users to really engage openly and freely with the technology. There's a lot more to come from this collaboration, and we feel like we're just getting started,” E3D Online Ltd. Co-Founder and Director of R&D Sanjay Mortimer said.

SIGGRAPH attendees can find LulzBot 3D Printers and Aerostruder v2 Micro Tool Heads in booth 1142 at the Vancouver Convention Centre. The Aerostruder v2 Micro Tool Head is compatible with the LulzBot Mini 2, and it is expected to be released by the end of September, 2018. Sign up to be notified when the product is released: <https://phplist.alephobjects.com/lists/?p=subscribe&id=2>

- more -



### Graphic Assets (Links)

- Logos
  - [Aleph Objects, Inc.](#)
  - [LulzBot](#)
- Images
  - [The Aerostruder v2 Micro Tool Head](#)
  - [0.25 Millimeter Penny-Scale 3D Print](#)
  - [Additional Assets](#)

### Praise for LulzBot Desktop 3D Printers

LulzBot Desktop 3D Printers are widely acclaimed by critics and customers alike for reliability, robustness, respect for user freedom, ease of use, excellent customer support, and extensive documentation.

### **Praise for the LulzBot TAZ**

*All3DP* 2017/2018 "Best Large Format Printer"  
*Make*: 2016 Guide "Best Overall"  
*Make*: 2016 Guide "Outstanding Open Source"  
*Make*: 2015 Guide "Most Maker Machine"  
*3D Printing Industry* "Top 3D Printer Under \$2,500"

*Tom's Guide* "Editors' Choice"  
*3D Hubs* 2017 Buyers Guide "Best of Work Horse"  
*Aniwa* 2016 Best 3D Printers (No. 1 out of 980)  
*3DPrint.com* 2015 Buyers Guide  
*3DForged* "Best Printer Under \$3,000"

### **Praise for the LulzBot Mini**

*All3DP* 2017/2018 "Editor's Choice"  
*Make*: 2018 Guide "Best for Education"  
*Inc.* "15 Coolest Products of 2015"  
*Tom's Guide* "Best Intermediate 3D Printer 2018"  
*Tech Radar* "10 Best 3D Printers 2015"

*PCMag* "Editors' Choice"  
*3D Hubs* 2017 Buyers Guide "Best of Plug 'N' Play"  
*Aniwa* 2016 Best 3D Printers (No. 4 out of 980)  
*3DForged* "Best 3D Printers 2016"  
*3D Printing Industry* "Top 3D Printer Under \$2,500"

### About Aleph Objects, Inc.

Founded in January 2011 and built on the philosophy of freedom, Aleph Objects, Inc. is a Free Software, Libre Innovation, and Open Source Hardware company. Headquartered in Loveland, Colorado, USA, Aleph Objects designs, develops, and manufactures the LulzBot line of 3D printers, parts, and plastics; tools for evolved making. Learn more online at [LulzBot.com](http://LulzBot.com).

### **Praise for Aleph Objects**

*Inc. 500* Computer Hardware Company  
(#2 2017, #1 2016)  
Top 250 Private Companies (*CoBizMag*)  
Colorado Companies to Watch – Winner (*CCTW*)  
Colorado Company of the Year – Runner-Up (*CTA*)

*Inc. 500* Fastest-Growing Company  
(#371 2017, #122 2016)  
Top 250 Colorado Manufacturers (*CoBizMag*)  
Fastest-Growing Co. in Northern Colorado (*BizWest*)  
Small Business of the Year – Finalist (*FCACC*)

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