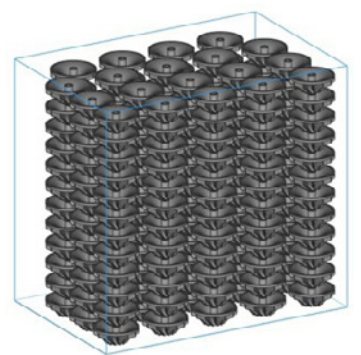


# Impeller



The impeller was 3D printed on a H350™ 3D printer leveraging SAF™ technology, using High Yield PA11 powder. The impeller is printed with the vanes face down in the print volume. This results in smooth surfaces on the vanes as well as on the top surface of the main body. Placing the mounting shaft in the Z orientation also ensures optimal concentricity of this feature. After printing, the robust thin walls and overall circularity remain intact. The impeller can be nested tightly to allow for printing large batches.

|                                |  |
|--------------------------------|--|
| <b>System</b>                  | H350 3D printer                              |
| <b>Technology</b>              | SAF technology                               |
| <b>Material</b>                | High Yield PA11                              |
| <b>Printed Layer Time*</b>     | 9h for 228 impellers                         |
| <b>Volume of Material Used</b> | 8.44 cm <sup>3</sup> (0.52 in <sup>3</sup> ) |

\* Printed layer time approximates the time taken to print the layers that form the parts in the build only

ISO 9001:2015 Certified

© 2022 Stratasys. All rights reserved. Stratasys, the Stratasys Signet logo, Stratasys Direct Manufacturing, H350, H Series, SAF, Selective Absorption Fusion, Big Wave and HAF are trademarks or registered trademarks of Stratasys Inc. and/or its affiliates. The H350 printer is subject to a license from Loughborough University Enterprises Limited and Evonik IP GmbH under the following and/or related patents and patent applications and their family members: EP2739457, EP3539752, EP1648686, EP 1740367, EP1737646, EP1459871. Further details including live and in-force status of family members may be found at <https://worldwide.espacenet.com/patent/search/family>. All other trademarks are the property of their respective owners, and Stratasys assumes no responsibility with regard to the selection, performance, or use of these non Stratasys products. Product specifications subject to change without notice. PC\_SAF\_Impeller\_1121a

