



Investment Casting Part

The Neo 3D printer series can print parts for casting patterns, with even better sidewall quality, accuracy and detail. The NEW Somos® WaterShed AF is an SL resin specifically designed for 3D printed investment casting patterns, producing parts that are dimensionally stable and leaves a minimal amount of ash residue after burnout.

The 3D printed part is covered with multiple layers of ceramic shell to make a strong white cast. Pins and wires are also added for extra support to the shell. The ceramic shell is then fired. The 3D printed part burns away and leaves a hollow space for the aluminium to be poured into. In the foundry, the aluminium is heated to 1200°C and then carefully poured into the cast.

The ceramic shell is broken away from the casting to reveal the final aluminium part. Pins and supports are removed using metal working tools and the final aluminium part finished.

System

Neo®800

Material

Somos® Watershed AF

ISO 9001:2015 Certified

© 2021 Stratasys. All rights reserved. Stratasys, Stratasys signet and Neo are trademarks of Stratasys Ltd. and/or its subsidiaries or affiliates and may be registered in certain jurisdictions. All other trademarks belong to their respective owners. PC_SL_Investment Casting _A5_1121a

STRATASYS.COM

