

PROTOTYPING PROCESS USING VACUUM CASTING

**SYNTHENE**

**RAPID PROTOTYPING PROCESS**

INNOVATION AND QUALITY IN VACUUM CASTING



**FROM A 3D-PRINTED MODEL TO A WIDE RANGE OF POSSIBILITIES  
THANKS TO VACUUM CASTING**

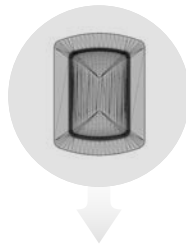
- » Simple production of parts with near-production material properties
- » Convincing crystal clear and rubber-like prototypes
- » Very high reproduction quality compared to 3D printing at lower costs

SYNTHENE IS A COMPANY  
CERTIFIED BY



SYNTHENE 2019-10-14 001 EN

**EXAMPLE OF PROCESS FROM THE CAD MODEL TO THE FINISHED VACUUM CASTING PART**



**CAD part**  
Design of the part in CAD



**3D-printed part**  
Production of the part with 3D-printing, STL or sintering process



**Finished 3D-part**  
Refinement of the surface, e.g. by coating for crystal-clear parts and design surfaces



**Rubber part**  
e.g. with HPE-System



**Impact-resistant part**  
e.g. with PR777



**Crystal-clear part**  
e.g. with PRC1810



**Food-safe part**  
e.g. with PRF100



**Heat-resistant part**  
e.g. with PR700

Prototype parts shown with permission of Hugo Lahme GmbH

**SYNTHENE HEADQUARTERS**

45 Ferme de l'Evêché  
60723 Pont Sainte Maxence  
France

T +33 3 44 31 72 00  
F +33 1 57 67 44 58

comm@synthene.com  
www.synthene.com

