

PROTOTYPING PROCESS USING VACUUM CASTING

SYNTHENE

RAPID PROTOTYPING PROCESS

INNOVATION AND QUALITY IN VACUUM CASTING



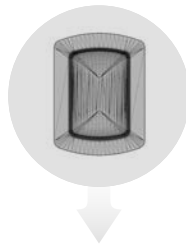
**FROM A 3D-PRINTED MODEL TO A WIDE RANGE OF POSSIBILITIES
THANKS TO VACUUM CASTING**

- » 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



**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

