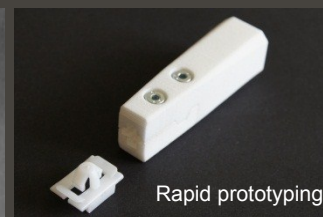


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ENGINEERING – MACHINE DESIGN

Hitting tools  
safe accurate and reliable assembly aids



## CLIP HITTING TOOLS

A simple exact shape of the hitting tool enables an easy gripping of the clip and insertion into the desired position of the sheet pressed part.

Creating a 3D model of the clip hitting tool.

A function shape of the prototype clip hitting tool is manufactured using rapid prototyping technology. The body is made from polyamide according to ASTM D638. The material is determined for functional tests based on hitting clips into a sheet-metal pressing. The technical parameters of the prototype material: tensile strength of 58 MPa, modulus of rupture of 1500 Mpa, elongation of 24%, flexural strength of 73 MPa and hardness of 75 Shore D.

Structural modifications after prototype testing: simplification of outer shape, suitability for CNC milling.

Serial supply – aluminum body of the hitting tool of grade acc. to EN AW 7075, made by CNC milling. Body fitted with a plastic handle.

