

When size matters!!

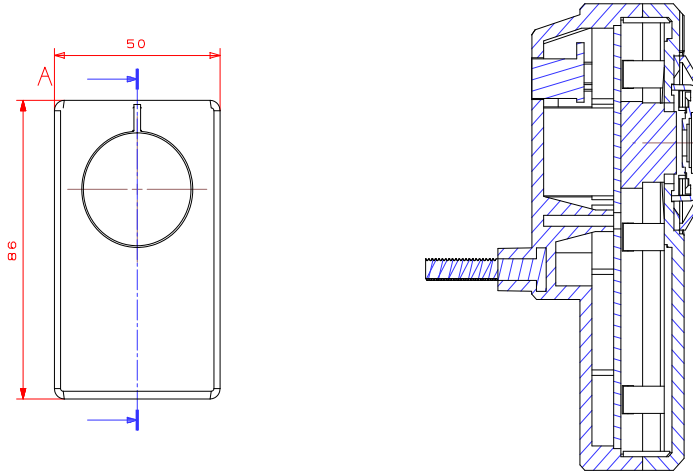
We just finished a very interesting project which is an example of how we can solve a problem from our customer. In this case the customer used the AXIS 207W in a machine. As you know the 207W will not be produced any more this customer tried to use the new M1011W for replacement. While testing he faced several problems with this model and wanted to use a camera from another manufacturer so I came into this project.

So here was my "trouble list"

1. The original housing is 10mm too high
2. The power connector from the M1011 is not the same as the 207W which makes a replacement difficult, also the power connector from the M1011 is not good for industrial use.
3. The mounting screw on the backside is too short and not in the right position

We found out that the M1011 electronic PCB is smaller than the housing itself so the way to solve all problems is to make a new housing. In projects it is a need to work close together with the customer, so he can have influence into the housing development on every step.

STEP 1: drawings



STEP 2: 3D Design

With these drawings you can see the new dimensions and the design from the housing, after this was done we made a 3D design sketch.



With this 3D design you can see how the housing will look in nature. With this data we created a model in rapid prototyping. This technology is fast and you have a full working model without extraordinary tool cost. With these real working models the customer can test his new design in practice and can make last changes, if needed.

STEP 3: Rapid Prototyping

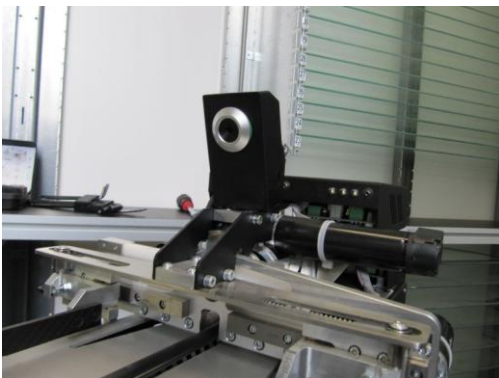
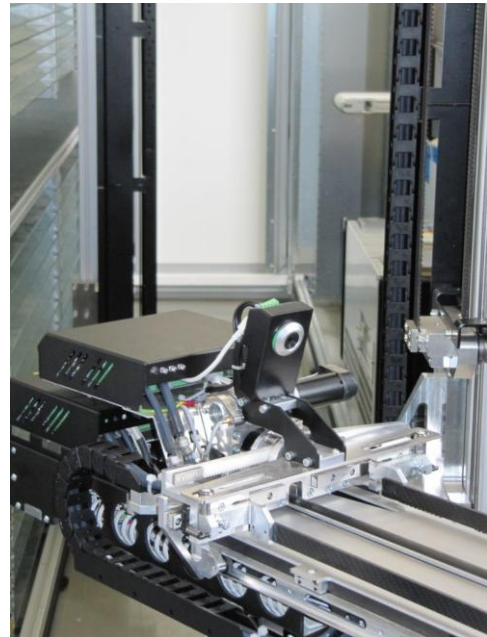


Pictures shows the 3D rapid prototyping models.

Also you can see, that we use many parts from the original camera, like the lens ring. With this model the customer gets a individual product with a unique design and additional features.

Below you can see the product in use.

STEP 4: Testing



STEP 5: Massproduction

We give our customers a complete solution.

- **design**
- **prototyping**
- **mass production**

