



VisiConsult  
X-ray Systems & Solutions

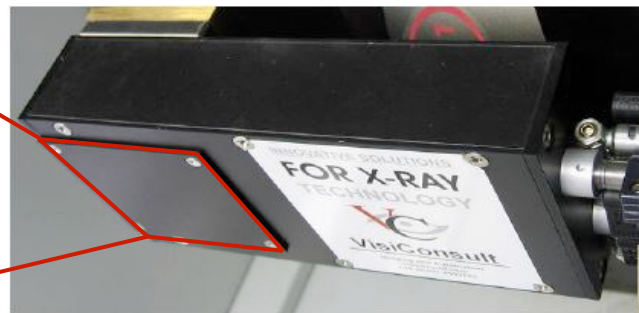
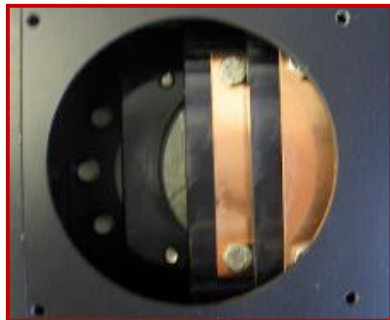
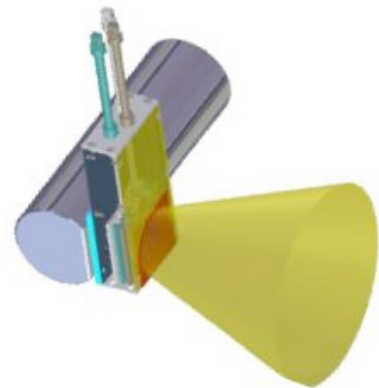
# FilterShutter Unit

## INCREASING QUALITY AND PRODUCT LIFETIME

The Filter/Shutter unit is an electro-pneumatic filter system that can be controlled through the user interface of the **Xplus** Handle. Essential features of this system are a fast shutter speed and CNC programmable drives that make it also usable in sequences or ADR inspection. One slider is equipped with a lead disk (5 mm) to cover the X-ray beam during the warm-up process and movement to prevent a blooming of the image when changing the position. This also increases the detector lifetime significantly.

The other two sliders carry copper disks of 0.5 and 1 mm thickness. This setup offers the possibility of 4 different filter situations: 0, 0.5, 1.0, 1.5 mm copper to harden the x-ray beam if necessary. The copper is an important aid for evaluating various material thicknesses at the same time. The customer can change the filters depending on the requirements.

- CNC programmable for sequences and ADR inspection
- Filters can be changed by the customer for research
- Fast and reliable mechanical operation
- Two different filters that enable four setups: 0.5 – 2.5 mm Cu
- Extends the lifetime of the detector and prevents blooming



To collimate the X-ray beam VisiConsult developed a set of diaphragms that can be used on the tube or detector side. This prevents blooming, protects unshielded areas of the specimen or detector and can reduce the range of grey values. There are various customizable choices available: 2 axes rectangular, iris shape and many more.

