

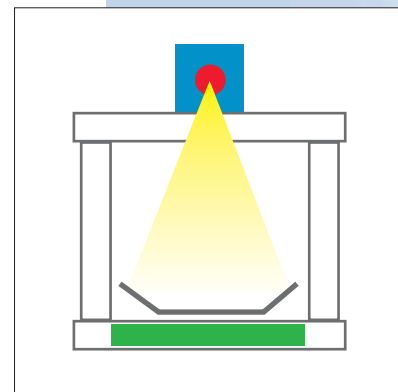
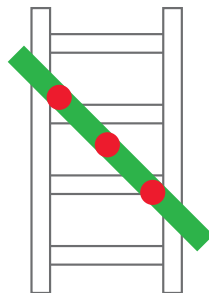
# Conveyor scales

The measurement can be carried out from belt, screw or drag-chain conveyors. The function is based on the absorption caused by the process material, calculating bulk density  $\times$  material thickness. Thus, the obtained result is load (kg/m). Taking into account the conveyor speed gives the mass flow rate (kg/s, t/h).

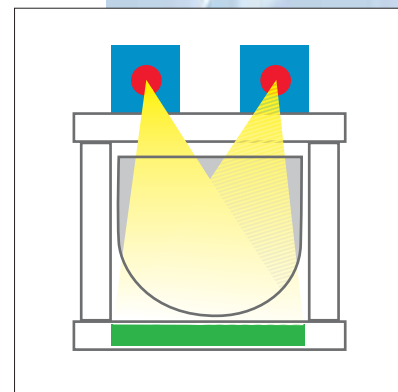
The source holder is mounted above the conveyor. The source holders are FIREPROOF models SH-F1 and SHGL with steel construction and Cs-137 isotope.

Radiation collimation angle(s) will be defined by the conveyor specifications.

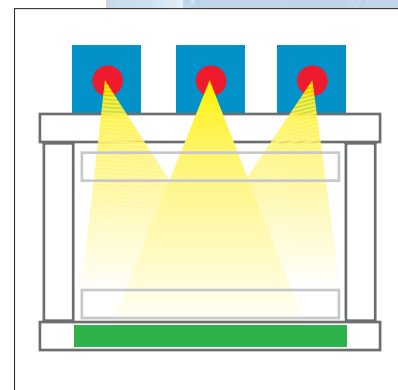
On drag-chain conveyors the equipment is mounted slanted to the conveyor to avoid the disturbance of slowly moving flights.



Measurement principle on a belt conveyor



Measurement principle on a screw conveyor



Measurement principle on a drag-chain conveyor

