

## II.3.2 Defining the safety function to be performed

### II.3.2.1 Detection of finger or hand

This type of detection is necessary when the operator is a short distance away from the hazardous zone. The resolution of the AOPD must in all cases be less than or equal to 14 mm.

### II.3.2.2 Detection of access of an arm or body

This type of detection is suitable for access or perimeter guarding

### II.3.2.3 Detection of presence of an operator in the hazardous zone

This type of guarding is suitable for machines where hazardous zones enclosed by fixed guarding are not visible from the control point.

It is also suitable for guarding the approaches to a hazardous zone, where it combines access and presence monitoring (permanent detection of personnel throughout the zone).

Such guarding is also suitable for industrial trucks or construction machinery, to protect operators during movement of the trucks or when fastening these trucks to a fixed base.

### II.3.1 Defining the zone to be guarded

The work involved is mainly estimating the risk from the machine. Depending on the configuration of the installation, it is necessary to take into account the dimensions of the zone to be guarded, the different points of access and the accessible hazards, and the risk of bypassing the guard and being present in the hazardous zone undetected.