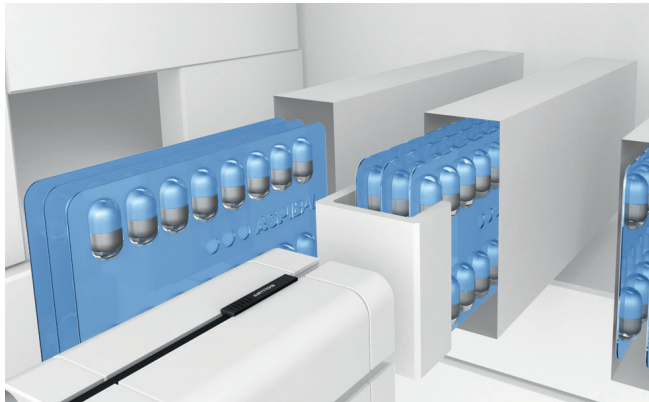


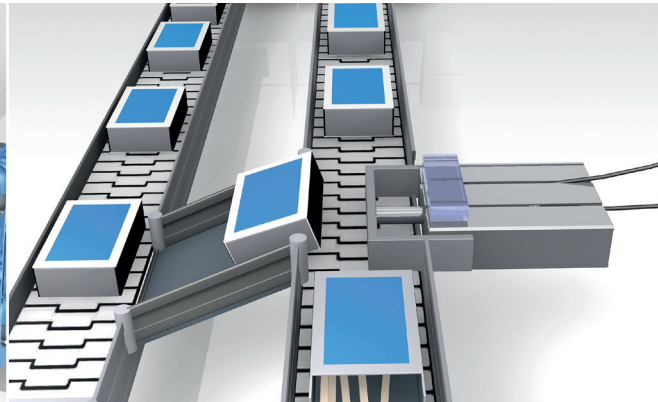
Detecting – Magnets

DETECTING MAGNETS FOR PISTON POSITION MONITORING WITH SENSORS

Do you need to monitor the piston position of your cylinder or gripper? To find the best solution, please answer the following questions: What distance to the object do I require? How much space do I have available for installation? What ambient conditions do I need to account for (elevated temperatures, moisture, oil, dirt, etc.)? This is how you select the right technology.



Magnetic field sensors detect whether the gripper is open or closed – without contact.



Magnetic field sensors detect the end position of the pneumatic ejector – without contact.

A magnetic field sensor integrated into the slot detects the opening condition (open/closed) of a gripper or the position of a pneumatic ejector. This allows you to ensure that blister packs are exactly positioned in boxes or that improperly packaged matches are sorted out. Magnetic field sensors feature a compact form factor and ease of installation.



Magnetic field sensors for the C-slot for detecting the piston position on pneumatic cylinders



Magnetic field sensor for the T-slot for detecting the piston position on pneumatic cylinders

The magnetic field sensor detects the magnetic field strength of a permanent magnet. This also works through non-magnetic walls, such as through an aluminum cylinder. If the threshold value (magnetic field strength) is exceeded, the sensor generates a switching signal. The miniaturized electronics allows you to install these sensors directly in the C-slot (3.8 mm). Form factors for other slot types, e.g. T-slot, and for other attachment options are also available.