



pharmaTRON 07 HQ

METAL DETECTION

HIGH PRECISION METAL SEPARATOR FOR THE PHARMACEUTICAL INDUSTRY FOR THE EXAMINATION OF PILLS AND CAPSULES.

Reliable *in Process and Detection*
Durable *in Technology and Performance*
Easy *in Installation and Handling*



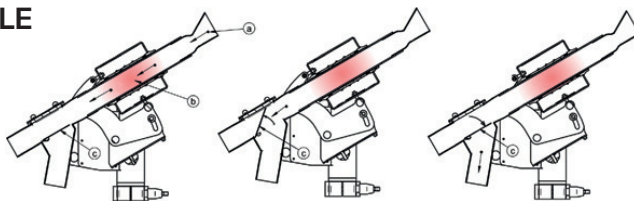
- Conforms to the hygiene requirements of the pharmaceutical industry.
- Fast decontamination of all product contacting parts, without tools. Only a few manual steps are required.
- Can be combined with all high performance tablet presses and dedusting systems.
- Flexible operating height and angle allow for easy integration and aftermarket installation into any production facility.
- Minimal loss of good material due to a fast reacting, powerful magnetic for the eject gate.
- Expanded system monitoring assures highest reliability. Faults are indicated in real-time.
- Electronic evaluation system with backlit LCD graphic display, touchscreen operating surface and a clearly arranged menu surface.

Applications

Product inspection

Complies to the relevant requirements for this product segment according to FDA 21CFR)

WORKING PRINCIPLE



- The pharmaTRON electronic metal separators remove automatically and without production interruption metallic contaminants (a) from a stream of tablets or capsules. Clean product passes without delay through the metal separator. A metallic contaminant in the product changes the high frequency magnetic field (b) within the detector coil. The electronic evaluation system generates a switching impulse which activates a eject gate (c) by means of an electrically rotating solenoid.
- The metallic contaminant is reliably rejected with very little loss of material due to the extremely fast and short deviation of the product stream reject time (dwell time of the eject gate) is adjustable.
- The dwell time is accumulatively increased in case of several contaminations during the set dwell time. The eject gate (c) returns automatically to its rest position, after successful removal of the metal events: