

Inspection Belt for Tablets and Capsules is specially designed for 100% visual inspection of tablets and Capsules from all the sides. 100,000 tablets per hour can be inspected on this new cGMP model by employing two Operators, thereby reducing inspection cost considerably. Tablet Inspection belt consist of stainless steel complete body, Hopper, from which tablets fall on a Six (6)" inches magnetic Vibrator that removes chips and dust from the tablets and feed them on eight (8)" inches wide belt for one operator to inspect one side of the tablets. These tablets are automatically passed on another belt for second operator to inspect the other side of the tablets (Min size of the tablet 3mm & Max. size of the Tablet 25 mm.

The intensity of the vibration of the vibrator can be varied to ensure smooth falling of tablets on the belt, similarly speed of the belt can also adjusted so that inspection rate can be increased depending on the percentage of the rejections. Complete body, Hopper top angles etc are made of stainless steel.



Basic Coil diagram for Metal Detector

Features:

- Two foot switches are provided for Operators.
- The machine is suitable for 230 volts single Phase, A.C. 50 Hz. & are designed as per GMP Standard.
- Tablets to be inspected are filled in the hopper and are automatically placed on conveyor belt by a vibrator. An operator inspects the 'Front' of the tablet at one end of the belt, and at the other end, the second operator inspects the 'Reverse' side.
- All stainless steel construction.
- Machine completely disassembles (with Less tools) for easy cleanup
- Removable tablet hopper and Vibratory shifter
- Stainless steel dust collector as integral part of removable hopper/shifter section (optional).
- Rotating brush for tablet positioning (optional).
- Belt is food grade endless type, with auto tracking for long life.
- Variable Belt Speed.
- Vacuum pick up nozzle (optional)
- High intensity tube light fittings for clear Visual of tablets.
- Magnifying glass (lenses) for zoomed view (optional).



TARGET INNOVATIONS

Goa
13, Chase International, P. E. Jose Vaz Road, Vasco Da Gama, Goa - 403802.
Tel : +91-832-2510840, 6483119 Telefax : +91-832-2500870 Email : targetinnovations@gmail.com

Mumbai
9, Ashapura Park, Sector 19, Airoli, Navi Mumbai- 400 708. Maharashtra, India
Tel : +91-22-6529 1212 / 1313 E mail: targetmumbai@gmail.com
www.metaldetectorindia.com



TARGET PHARMACEUTICAL METAL DETECTOR



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Analog Version Tablet Metal Detector (Model-TMD-75)



Digital Version Tablet Metal Detector (Model-DIGITECH-75™)

TPMD is a tablet metal detector, meeting the pharmaceutical industry's requirements for sensitivity, stability and sanitation. This Pharma Metal Detector is designed for the detection and removal of minute pieces of ferrous, non-ferrous and stainless steel contaminations. Such particles sometimes enter the product stream from deteriorating processing equipment components such as worn sieve wires or splintered dies. Its compact design accommodates many space-restricted areas within tablet and encapsulation rooms.

Target Pharma Metal Detector provides 100% in-line inspection of tablets and capsules at the outlet of the press and screens for ferrous, non-ferrous and stainless steel contaminants. It has many features to enhance quality control measurements without interfering with smooth high-speed tablet manufacturing. This also allows easy integration with dedusters and collection drums. The construction of this special Stand saves space into the production room and reduces the retention areas. Cross contamination from production changes is prevented by its clean design and easily removable throughput chute, reject gate and cover.

The scanning capacity is 10,000 tablets per minute and the metal detection head is fully adjustable for the height and angle to ensure the best possible speed and detection accuracy.

The Metal Detector chute can be quickly and easily dismantled for routine cleaning and product changeover. Conforms to the hygiene requirements of the pharmaceutical industry this system can be combined with all high performance Tablet compression machine and dedusting systems. Flexible operating height, angle and frame with lockable casters allow for easy integration to any production facility. The complete unit takes up minimum system length.

Features:

- Automatic Balance Principle
- Ferrous / Non-Ferrous Detection & Rejection.
- Rejected Confirmation and Indication For Irregularities.
- Toughness To Vibration And Noise.
- Digital Signal Processor.
- Rugged Mechanical Construction.
- Automatic Parameter Retention.
- Improved and Compact Search Coil.
- Date and Time Recording for Routine QC Checks.
- Timer with Adjustable Delay and Duration for Rejected Device Control.
- All Sensitivity Checks, Settings and Routine QC Checks are recorded.
- Stable Operation on Mineralized or Conductive Products.
- LED bar Graph to Display the Status of Coil.

This **TARGET DE DUSTER** allows dedusting and deburring any type of tablets. Stepless vibration creates a vertical ascension of the products. The deduster's height can vary between 500 mm and 1200 mm in direct relation with the outlet height required. The spiral enabling ascending movement of the tablets has been achieved in 316L stainless steel with continuous TIG welding. This equipment uses a new principle of dust extraction, immediately separating any powder excess during the dedusting process.

At the concept, an utmost care has been taken concerning the noise level as well as achievement following highest GMP standards. The clean-up is easy, not requiring any tooling. Equipments are available in mirror finished. An optional two ways diverter allows you to switch from one bin to the other without operator's action.

Features:

- Frequency control (Optional).
- Electric power requirement less than other machines of the kind.
- Height adjustment facility provided with the unit to suit with any Rotary Tablet Compression Machine.
- Efficient De-Burring & De-Dusting and full suction output is concentrated on De-Dusting zone for flushing out powder. Dust extraction connection through 40 mm Dia Vacuum Port.
- Compress air for inlet cleaning.
- Tablet conveying route is so geometrically designed for easy clean of tablets on their burrs.
- All contact parts made of stainless steel and components can be easily washed or sterilized.
- Suitable for tablet sizes of above 5mm and 25 mm
- IQ; OQ,PQ,DQ Protocols.
- User instruction manual.



Tablet Metal Detector with De-Duster (Model-Combo-75)



Tablet De-Duster