

SMART PROCESS SOLUTION

Tablet Metal Detector



FUTURE BEACON

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Tablet Metal Detector :

The metal detector is designed for the detection and removal of minute pieces of ferrous & nonferrous contaminations in tablet. Such particles sometimes enter the product stream from deteriorating processing equipment components such as worm sieve wires or splintered dies.

This metal detector removes metallic contaminants automatically and without production interruption from a stream of tablets or capsules. A metallic contaminant in the product change the high frequency field within the detector coil, which in turn activates a reject flap by pneumatic solenoids. The metallic contaminant is reliably rejected with very little loss of material due to the extremely fast and short activation of the reject flap. 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 press with deduster unit. Flexible operating height, angle and frame with lockable castor to allow for easy integration to any production facility.

The Metal detector incorporates a simplified and refined design of automatic balance coil principle, which eliminates all setting up controls and permits long consistent performance.

Salient Features :

- ❖ Machine construction and components in accordance with cGMP standard.
- ❖ All contact parts AISI316 quality and non contact parts AISI304 quality.
- ❖ Automatic balance principle.
- ❖ Manual set up of sensitivity all other parameters through potentiometers.
- ❖ Easy to install inline with tablet press with deduster.
- ❖ Easy to cleaning and mobility.
- ❖ Search head 180° rotations and inclination 0-30° .
- ❖ Easy mobility with castor wheel mounting.
- ❖ Adjustable height Single pillar stand with 4 nos. castor wheel.
- ❖ Food grade teflon chute having authentic designed in one piece to avoid cross contamination.

Tablet Press Tooling - Die & Punch :

Tablet press tooling designed for standard and special for tablet press as per euro or IPT. Prism's punches and dies are manufactured in-house with state of art machines with developed an advance technological system especially for manufacturing of precise, perfect and finished tablet tools as per standard.

Salient Features :

Choice for material of construction of die and punch-

1. OHNS (T) oil hardened non shrinking steel (Tungsten) -

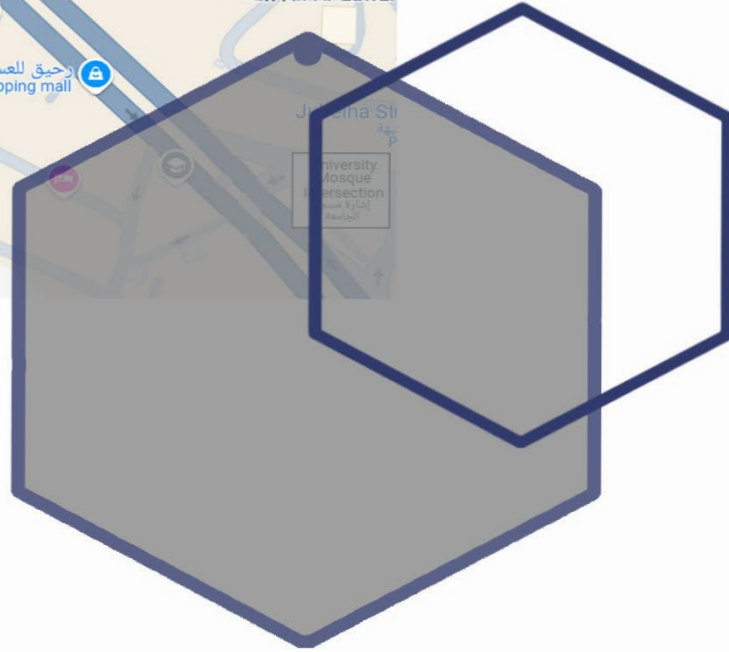
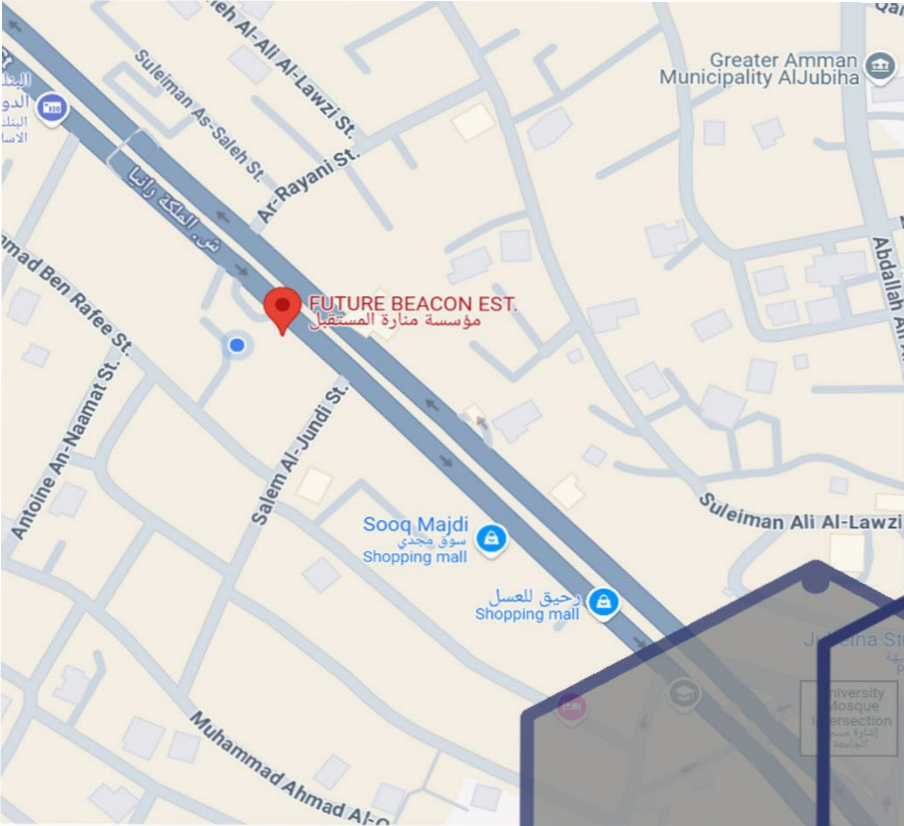
AISI 01

2. HCHC -high carbon high chromium steel-AISI D3

- ❖ Tooling size as per EURO, IPT standards and special tooling.
- ❖ Can be manufactured any shape of the tooling.
- ❖ Can be manufactured multi tips and polo type tooling.
- ❖ Careful matching of material and hardness.
- ❖ Clarity of emboss for break line, letter and logo.
- ❖ High precision mirror finish.
- ❖ Marking on punch & die for number, size & manufacturing month & year.
- ❖ Inspection report is provided with die & punch.
- ❖ Option for hard chrome plating.



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