



## DIGITAL METAL DETECTION SYSTEM & DE-DUSTER COMBO (PI-EDMDC2)

### SALIENT FEATURES : METAL DETECTOR

- Extremely High detection Sensitivity for all metals.
- Sophisticated intelligent software to detect minute metal particles in addition to phase sensitive detection
- Imported validation samples (0.3mm dia Fe, 0.3mm dia NFe & 0.5mm dia SS spherical balls) with certificates provided
- Automatic Setting of parameters
- Continuous ON Line Self-Check Monitoring system
- Built in Self-diagnostic System on LCD display.
- Validation using prompt
- 100 Product Memory
- Security levels provided
- Reject time stamping
- Statistical data on LCD display
- Fail Safe Rejection Mechanism
- Digital control and signal processing
- Set parameter retention on loss of power
- Buzzer and LED indication on detection of metal contamination
- LCD bar graph / numeric display to monitor noise and signal
- Swivelling type Equipment Panel with Display
- Stand is provided with:
  - Gas strut for continuous height adjustment and two mounting positions of Test Coil for gross height adjustment min. Inlet height = 525 mm and max. Inlet height = 1250 mm at Test Coil angle of 30°
  - Wheels for transportation
  - Adjustment for changing the angle of the test coil
- Net Weight: 80kgs | Gross Weight: 150kgs



### TECHNICAL SPECIFICATIONS

- |                        |  |
|------------------------|--|
| • Aperture Size        | : 98 mm x 22 mm  |
| • Rejection Mechanism  | : Electrically Operated Flap Mechanism                                     |
| • Validation Samples   | : 0.3 Mm FE<br>0.3mm NFE<br>0.5mm –SS Spherical Balls (Imported Certified) |
| • Height Adjustment    | : Gas Strut for Height Adjustment  |
| • Utility Requirement  | : 220V AC / 50 Hz / 200 VA   |
| • Net Weight           | : 80 Kg  |
| • Gross Weight         | : 150 Kg   |
| • Dimensions           | : 830 mm (L) x 830 mm (W) x 163 mm (H)                                     |
| • Validation Documents | : IQ, OQ, DQ Documents Provided  |





## SALIENT FEATURES : DE-DUSTER

- Highly effective dust removal provides high quality De-dusting and De-burring
- Independent Frequency and Voltage (Power) control for optimum De-dusting and De-burring
- De-duster is controlled by the Metal Detector. Settings of De-duster are stored in Metal Detector and can be recalled as and when required
- Drive Unit of De-duster is of international quality and not motorized one
- Very low outside vibration and very low audio noise
- Superior vibration of spirals
- Multiple tumbling
- Gas spring used for height adjustment and provision made for lateral adjustment
- Effect of vibrations on metal detector has been completely nullified, hence, it can be used optimally
- Inlet can be rotated through 360° hence same model can be used at Right or Left conveniently
- Extremely easy for cleaning. Parts can be dismantled and assembled within minutes
- Elevation of tablets through multiple numbers of spirals
- Single tablet also travels and cleared completely
- S.S. 316 Chute at De-duster outlet with dust collection box

## TECHNICAL SPECIFICATIONS

- |                      |  |
|----------------------|--|
| • Inlet Height       | : 715 mm + 350 mm  |
| • Outlet Height      | : 800 mm + 350 mm  |
| • Travel Distance    | : 5 Meter (approx.) (Inlet to Outlet)  |
| • Travel Direction   | : Bottom to Top  |
| • Time for Travel    | : Approx. 50 Sec. for Bunch of tablets.  |
| • Overall Dimensions | : 550 mm (W) x 375 mm (D) x 1450 mm (H)  |
| • Contact Parts      | : Stainless Steel 316  |
| • Non-Contact Parts  | : Stainless Steel 304  |
| • Suction Facility   | : Recommended CFM 20   |
| • Controls           | : Frequency and amplitude controlled through Metal Detector for Combo Unit;<br>VFD & Display in case standalone unit |
| • Utility (Power)    | : 220 V AC, 50 Hz.   |
| • Noise              | : Less than 50 dB.   |
| • Weight             | : 180 Kg. (Approx.)  |



\*specifications subject to change without notice