

RDI 500

Micro Processor
Based Rubber
Disc
Inspection
Machine



BHARAT VISION AUTOMATION

www.bharatvisionautomation.com

Model RDI500- 30 mm



Technical SPECIFICATION



Model
RDI500



Throughput
30,000 pieces/hour



Power
415 v 4 Amp



Dimension
2000 x 1100 x 1900 (mm)



Frequency
3 Phase 50 Hz



Air
6/7 Kg/cm²



Weight
900 Kg approx



Disc Size
30 (mm)



Hopper Capacity
30 mm - 30,000 pieces approx

Products OVERVIEW



This machine is fully automatic for inspecting rubber discs. The machine's main body is constructed of stainless steel, and a glass cabinet covers the upper part of the machine to keep out dust. The operator feeds the material into the hopper of this machine. After that, material is transported via lift to a rotary vibrator. Material is fed into a feeder conveyor by a rotary vibrator. The rubber disc then transitions to rotating. The pick-up roller mechanism provides the action its perfect timing, which results in perfect time for taking the picture. To identify faults with the rubber disc, two cameras are placed on the rotary. Four high-definition cameras are used for the task, two of which on rotary to inspected the disc's top side. The disc's bottom sides are inspected by the other two cameras. The horizontal flash, black spot, white spot, and cuts are the kinds of defects that the camera can capture. The disc now moves to the station for rejection, where the rejected disc is blown away using an air nozzle. The accepted piece will be processed further in a good piece crate. All this processing is done by state-of-the art mechanisms.



About Us

Bharat vision automation is located in Odhav, Ahmedabad, Gujarat. Our journey began in 1998. Our hunger to grow helped us stand out in a competitive market through innovation and service. We are specialists in the design, manufacturing, and solution of automated vision inspection systems. These systems include material handling, machine control, and rejected part sorting in conjunction with the camera. Since 1998, we have supplied a wide range of machine vision solutions to our manufacturing customers in the pharmaceutical, automotive, and cosmetic industries.

Contact Us

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