

Section-5

Question 3:

Ans: A trommel screen, also known as a rotary screen, is a mechanical screening machine used to separate materials, mainly in the mineral and solid-waste processing industries. It consists of a perforated cylindrical drum that is normally elevated at an angle. As the feed material spirals down the rotating drum, where the undersized materials smaller than the screen apertures pass through the screen, while the oversized materials exit at the other end of the drum. Trommel screens can be used in a variety of applications such as classification of solid waste and recovery of valuable minerals from raw materials. Trommels come in many designs such as concentric. Trommel screens - does not require vibrations, instead, material is fed into a horizontal rotating drum with screen panels around the diameter of the drum.