

Belt Grinder

Belt grinding is an abrasive machining process used in metallurgical lab for the purpose of the grinding to get flat surface. It is typically used as a finishing process in industry and this process helps in polishing. A belt, coated in abrasive material, is run over the surface to be processed in order to produce the desired finish.

For flat, coarse grinding prior to fine grinding the specimens is to be ground in 60, 80 or 120 grit after cutting operation or moulding to remove surface imperfections. Useful step to remove light metallurgical damage in the specimen surface induced during cut-off operation.



1. Cover
2. On/Off Switch
3. Emery Belt
4. Dust tray release Knob
5. Belt release Knob
6. Belt alignment Knob

Operation

1. Switch on the power
2. Hold the specimen by hand on the moving belt with optimum force
3. Use hand gloves for the safe working
4. Periodically check the flatness
5. Stop operation once flatness is achieved

This belt grinder is provided with two pulley, One pulley (Left hand side) is unmovable and the other pulley (Right hand side) is movable.

This belt grinder is suitable for endless belt (4" X 36") of different grits (60, 80,120). Depending upon your requirement select suitable grade of belt (Aluminium oxide belts are preferable for grinding ferrous materials and silicon carbide belts are suitable for grinding of non-ferrous materials). Depending upon the frequency of grinding the abrasive particles in the belt gets reduced.