

Experiment No.06

Objective

To study and perform grinding machine operations using different grinding machine tools on a given Work piece.

Theory

Grinding is the process of removing the surface of a hard material using a wheel made from or covered in hard grit. Grinding is a finishing process used to improve surface finish, abrade hard materials, and tighten the tolerance on flat and cylindrical. CNC grinding machine is the use of abrasive on the work piece surface grinding machine. The majority of grinders are ground using high-speed rotating grinding.



Grinding Operations

Selecting which of the following grinding operations to be used is determined by the size, shape, features and the desired production rate.

Internal Grinding

Is used to grind the internal diameter of the work piece. Tapered holes can be ground with the use of internal grinders that can swivel on the horizontal.



Form Grinding

Machining Lab Manual

Jerry H. Service, George E. Frease



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