

Die Cutting Materials

- Computer/projector for presentation
- Previous student Print Samples.
- 00:02:31 video from the Packfactory.
- Sample boxes to fold
- Scoring Board
- Cutting Die
- Sample Rule
- Ejection Rubber
- Elmers Glue
- 00:17:10 video from Worthy Tall Industry Co.
- Cimpack demo software: <http://www.cimexcorp.com/downloads.htm>
- Sample boxes for layouts
- 00:06:52 video from Advanced Graphics.
- 00:07:18 video from AHA Graphics.
- Substrate
- Accucut Grand Mark 2 manual die cutter
- Cut sheet samples
- 00:01:10 video from Bobst.

Die Cutting Unit Vocabulary

Stripping Die: A two piece die normally used on an automatic platen press to mechanically remove scrap from a die cut sheet.

Ejection Rubber: Rubber used to eject the finished product from a cutting die.

Perforating Rule: Steel rule die blades that make perforated cuts in the material being die cut

Scoring Rule: Steel blade that leaves impression in blank without cutting – usually a fold line.

Repeatability: The ability of a die to reproduce an exact duplicate cut part after each cutting action.

Nesting: The nesting of similar or different parts to be die cut on a printed sheet or layout to maximize the material utilization of the material being used in the die cutting process.

Metal Blanking Die: Otherwise called a male/female die having a male section which entered in to the female section of the die crating a shearing action to cut both soft and rigid materials.

Female Stripping System: A stripping unit consisting of a male stripping die and female stripping die components that are placed into an auto platen die cutting press after the die cutting station to strip out waste sections of a die cut blank.

Die Line: The line or marking on a tracing which indicates the size of the part and any cutouts and which side of the board the rule is located.

Die Cutting: The method of using sharp edged cutting dies to cut out shapes from a wide array of soft to semi-rigid materials. The action of making piece parts from bulk materials using cutting dies and presses.

Die Assembly: A complete cutting tool assembly including the rubber, rule and punches.

Die Board: Used as the carrier for steel rule in cutting dies.