

2 4 8 Finishing processes

Preparation

- Read pages 62 – 65
- The product you machined during the Modelling project

Resources

- Laminator
- Laminating pouches
- Materials to laminate
- Laminating machine cover removed (RISK: ELECTRICAL SHOCK)
- Vinyl lettering cutting
- Screen printing
- The product you machined during the Modelling project

Wider study

- Table 2 17 Advantages, *disadvantages* and applications of printing processes
- Commercial D&T programme The Print Industry VINYL CUTTING
- Laminating <http://www.technologystudent.com/despro2/prneff3.htm>
- UV varnishing <http://www.technologystudent.com/despro2/prneff2.htm>
- Hot foil blocking <http://www.printonplastics.co.uk/slideshow.htm>
- Embossing <http://www.technologystudent.com/despro2/prneff4.htm>
- Laser cutting <http://www.accurate-laser.co.uk/accuratelaser.html>
- Laser engraving <http://www.inthenorthwoods.com/Products.html>
- Vinyl cutting <http://www.designandtech.com/printprocesses/vinylcutting.htm>

Assignment

- Laminate something with the laminating machine cover removed
- Design some vinyl lettering to apply to your earlier made product

Homework

- As above

Revision questions

None available

Specification and Learning Objectives

Processes, application and advantages/disadvantages of applying the following finishes to improve the performance, quality and provide enhanced aesthetic and/or functional properties:

- enhancing the format of paper and board
- laminating
- encapsulation
- varnishing
- hot foil blocking
- embossing
- surface decoration for signage using CAD/CAM, production of
- lettering and decals using:
- laser cutting and engraving
- vinyl cutting.