

Date: _____

Production Technology

In the simplest sense, production technology is the machinery that makes creating a tangible physical product possible for a business. To the small business, this means a workshop at the very least, with more elaborate operations making use of machine and assembly lines. Choosing a production scale model within a company's capital means is important; simpler workshops tend to lead to lower production volume but cost less to assemble, while higher output operations require more complex and costly machines, which are sometimes cost prohibitive.

Components of Production Technology

- 1) The modern Artisan workshop
- 2) CNC machining and Extending the Artisan workshop.
- 3) Automated Assembly Line-style Mass Production
- 4) Practicality considerations for small business.

Moulding in Manufacturing

If the products you're creating start out as liquid chances are the manufacturer uses molding. One popular type of molding is casting, which involves heating plastic until it becomes liquid, then pouring it into a mold. Once the plastic cools, the mold is removed, giving you the desired shape. You can also use casting to make plastic sheeting, which has a wide variety of applications. There are four other types of molding:

Injection molding, which melts plastic to create

3-D materials such as butter tubs and togs!

Blow molding, used to make piping and milk bottles.

Compression molding, used for large-scale products like car tires!

Rotational molding, used for furniture & shipping drums.