

**Production management** provides all of the tools that are required for the smooth and economic operation of manufacturing processes. It regulates the interaction in space and time between people, equipment, information and resources to achieve the objectives of the manufacturing system (page 209). A principle concern is the flow of work in progress and information.

The following tasks are of particular significance.

- Determining the time sequence of the required processes
- Timely provision of materials and equipment
- Timely provision of information

Every **manufacturing company** has a **production program** to follow. For a garment maker, the production program is embodied in the **collection plan**. The collection is the range of products that will be manufactured for marketing in a particular season (page 224).

The **Production** department co-ordinates the development of new products, the procurement of materials and their processing, and the control of quality throughout manufacture

The **Processing (Making-up)** department is responsible for the processes that complete the work to be done. It is responsible for **production planning and control**.

**Data Exchange and Data Formulation**

Co-ordination between departments, sections and processes is mediated by the exchange of data (information). Data are supplied in the form of detailed work instructions and process-dependent technical information. Data have to be documented. This can be done via a company computer network and also by the use of standard company forms. The way that data are transmitted in a particular company will depend on its structure, its level of technology, the type and range of its collections and other factors. A wide variation is possible.

Task	Processing Tools	Data Sources
<p><b>Development of new products</b></p> <ul style="list-style-type: none"> <li>• Product concept</li> <li>• Design concept</li> <li>• Market orientation (Target group)</li> <li>• Fabric concept</li> <li>• Style calculation</li> </ul>		
<p><b>Production planning</b></p> <ul style="list-style-type: none"> <li>• Product</li> <li>• Colours</li> <li>• Sizes</li> <li>• Quality targets</li> </ul>		
<p><b>Production control</b></p> <ul style="list-style-type: none"> <li>• Process schedule (sequence of sub-processes)</li> <li>• Progress control (task-dependent)</li> <li>• Quantities</li> <li>• Deadlines</li> <li>• Quality control</li> </ul>		