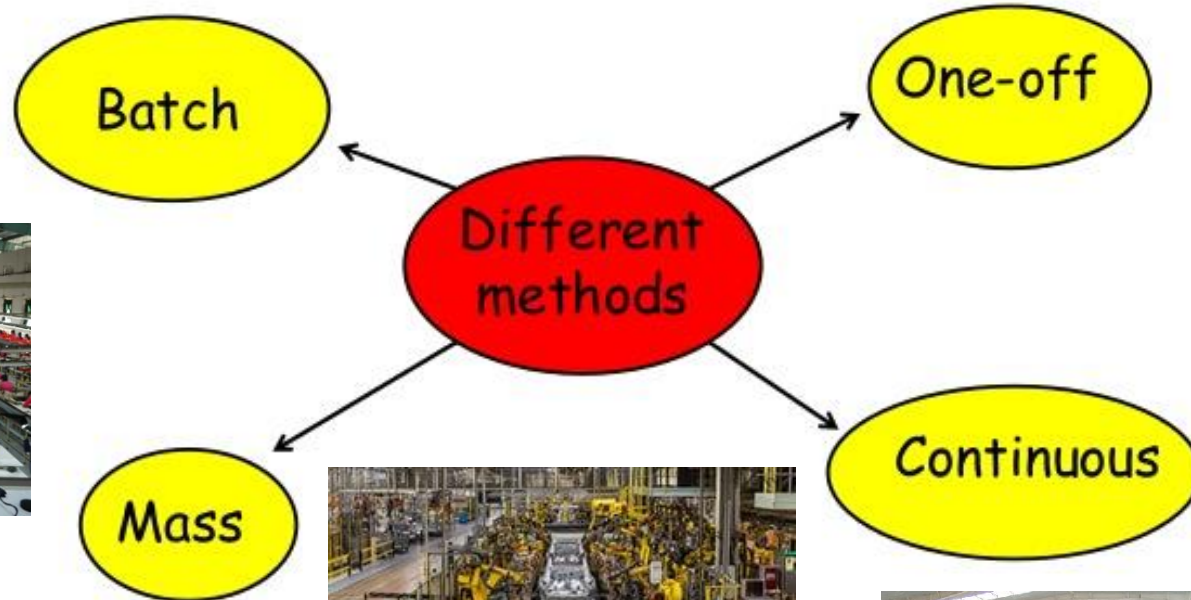


# Scales of Production

Identifying different methods

Name some examples of Products that you consider to be in each Scale of Production.



## ONE-OFF Production



### KEY CONSIDERATIONS;

A one-off product manufactured for a specific client.

1. High client involvement
2. High Quality Materials
3. Highly skilled workforce
4. Small set up costs
5. Power tools relating to a shed or small unit
6. Long time frame for manufacture
7. Single product manufactured
8. High Cost of end product

What Level of QC is required?

## BATCH Production



### KEY CONSIDERATIONS;

A set number of products manufactured in one go.

1. MEDIUM client involvement
2. Cost effective Materials – lower quality and cost of the ONE-OFF
3. Production line and CNC machinery - different skilled workforce
4. MEDIUM set up costs
5. Small to large unit depending upon the product.
6. Shorter time frame for manufacture
7. A set number manufactured 10's to 1000's
8. Medium Cost of end product



What Level of QC is required?

## MASS Production

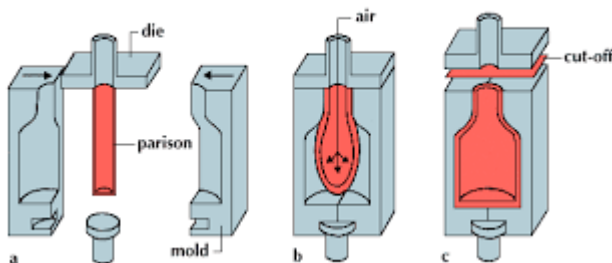


### KEY CONSIDERATIONS;

A large or continuous number of products manufactured over a period of time.

1. NO client involvement
2. Low Cost Materials – lower quality and cost of the ONE-OFF and Batch – Bulk purchasing.
3. Production line and automated machinery - different skilled workforce – machine operators and maintenance.
4. HIGH set up costs
5. Large unit or factory depending upon the product.
6. Rapid time frame for manufacture
7. 10,000s upwards for manufacture
8. Low Cost of end product

Extrusion Blow Molding (cutaway view)



What Level of QC is required?

What is QA and how is it used in this scale of production?