

Scales of Production

Name/ Type	How many it makes	Key Info	Examples of Products
One-off Production	1	<ul style="list-style-type: none"> Also known as Bespoke or Prototype manufacture Custom-made products Specialist workers/ skills Specialist machines and materials High Quality but expensive 	<ul style="list-style-type: none"> Towers / Bridges One-off Houses Custom made clothes
Batch	10s-1000s	<ul style="list-style-type: none"> Uses a mix of workers and machinery Uses jigs, moulds and templates to help make identical products Stations of workers e.g. cutting station, painting station, etc Can have some variation e.g. colour, finish, flavour 	<ul style="list-style-type: none"> Baked foods Limited edition car Socks Chairs
Mass	10,000s - 100,000s	<ul style="list-style-type: none"> Big assembly lines (and sub-assembly lines) Heavily automated Standard and identical products Little worker input 	<ul style="list-style-type: none"> Cars Bottles Microchips Plain shirts
Continuous	100,00s +	<ul style="list-style-type: none"> 24/7 production Heavily automated Standard and identical products Little worker input 	<ul style="list-style-type: none"> Energy Water Paper Plastic

One-off Production	
Advantages	Disadvantages
<ul style="list-style-type: none"> Custom made High Quality Materials High Quality Craftsmanship 	<ul style="list-style-type: none"> Time consuming Specialist training for workers Expensive to buy

Batch Production	
Advantages	Disadvantages
<ul style="list-style-type: none"> Lower cost than one-off Jigs, moulds and templates help products look identical Can have some variety 	<ul style="list-style-type: none"> High storage costs Jugs, moulds and templates have to be checked Workers can become bored on their station

Mass Production	
Advantages	Disadvantages
<ul style="list-style-type: none"> Large amounts made at once All products are identical and to same standard Using automation reduced human error 	<ul style="list-style-type: none"> Initial starting costs are high If production line stops, the product can't be made Workers become bored monitoring machines and repetitive tasks

Continuous Production	
Advantages	Disadvantages
<ul style="list-style-type: none"> Large amounts made at once All products are identical and to same standard Using automation reduced human error 	<ul style="list-style-type: none"> Initial starting costs are high If production line stops, the product can't be made Workers become bored monitoring machines and repetitive tasks