

# Manufacturing

## Manufacturing Overview

**Manufacturing** is the production of goods from the beginnings as raw materials to after sales services. Manufacturing today is usually high-tech production on a large scale. Most manufacturing processes are automated to ensure products meet quality standards and can be produced in large volumes to meet demand. Advanced manufacturing involves the use of technology to improve products and processes.



## 22% of employment in the Humber is in manufacturing

### Useful subjects

- Maths
- Engineering
- Science

### Did you know?

- The Manufacturing Sector accounts for 22% of the region's workforce, employing over 80,000 people
- Yorkshire & the Humber is the country's largest food producing region
- Manufacturing of Chemicals and pharmaceuticals is prominent in the Humber
- 25% people employed in the sector are women nationally and this is increasing year on year
- Nationally around 10% of the workforce is aged 16-24
- Manufacturing workers often work shifts 24 hrs a day 365 days a year
- Manufacturing pays higher wages than the national average; the average weekly pay in the manufacturing sector is approx. 17% higher than the whole economy average
- CAN-PACK UK has produced its 10 billionth can, enough cans to stretch to the moon and back. The plant produces 6 million cans a day

technologies would eliminate jobs, the reverse has happened—more jobs are being created

- Manufacturing supports young people; 66% of manufacturers plan to recruit an engineering apprentice in the next 12 months
- Manufacturing is creating high-skilled jobs; the sector needs 750,000 science, technology and engineering professionals to replace those leaving the industry by 2020

### For further information visit:

- [nationalcareers.service.gov.uk](http://nationalcareers.service.gov.uk)
- [www.lmihumber.co.uk](http://www.lmihumber.co.uk)
- [www.careersyandh.co.uk](http://www.careersyandh.co.uk)
- [www.bridgingthegaphumber.co.uk](http://www.bridgingthegaphumber.co.uk)
- [www.apprenticeships.gov.uk](http://www.apprenticeships.gov.uk)
- [www.allaboutcareers.com](http://www.allaboutcareers.com)
- [www.semta.org.uk](http://www.semta.org.uk)
- [www.cogent-ssc.com](http://www.cogent-ssc.com)
- [www.deliveringyourfuture.co.uk](http://www.deliveringyourfuture.co.uk)
- Look in your local newspapers
- Pop in to your local Job Centre
- Attend events and seminars
- Check out YouTube
- Check out Social Media
- And talk to family and friends

### Good to know:

A lot of newer and really exciting jobs that offer a good salary package need a science, technology, engineering and maths base.

### Examples of Key Employers in the Humber



**CRANSWICK** plc



HEALTH • HYGIENE • HOME

**Humdinger**

**BAE SYSTEMS**

**SIEMENS Gamesa**  
RENEWABLE ENERGY



**EAST RIDING**  
OF YORKSHIRE COUNCIL

# Planning ahead...

Salaries starting from

£16,000+

£18,000+

£20,000+

£25,000+  
£30,000+

## Entry Level

Involves building basic knowledge and skills and is not geared towards specific occupations

## Level 1

Involves activities which mostly relate to everyday situations and may be linked to job competence

## Level 2

Involves building knowledge and or skills in relation to an area of work or subject area appropriate for many job roles

## Level 3

Involves obtaining knowledge and skills. It is appropriate for people wishing to go to university, working on their own or in some areas, supervising others in their field of work

## Level 4

Appropriate for people working in technical and professional jobs, and/or managing and developing others

## Level 5

Appropriate for people working as higher grade technicians, professionals or managers

## Level 6

Involves achievement of high level professional knowledge and is appropriate for people working as knowledge based professionals or in professional management positions

## Level 7

Involves achievement of high level professional knowledge and is appropriate for people working as knowledge based professionals or in professional management positions

## Level 8

Involves achievement of high level professional knowledge and is appropriate for people working as knowledge based professionals or in professional management positions

## Traineeship

Study Programme  
Entry level certificate  
Entry level Skills for Life  
Entry level award, certificate and diploma  
Entry level Functional Skills  
Entry level Foundation Learning  
English for speakers of other languages

GCSE (grades D-G or 1-3)

## Traineeship

Study Programme  
Key Skills level 1  
NVQ level 1  
Skills for Life level 1  
Foundation diploma  
BTEC award, certificate and diploma level 1  
Foundation Learning level 1  
Functional Skills level 1  
OCR National

GCSE (grades A\*-C or 4-9)

## Apprenticeship

Key Skills level 2  
NVQ level 2  
Skills for Life level 2  
Higher diploma  
BTEC award, certificate and diploma level 2  
Functional Skills level 2

AS and A level

## T Level

Advanced Apprenticeship  
Advanced Extension Award  
Cambridge International award  
International Baccalaureate  
Key Skills level 3  
NVQ level 3  
Advanced diploma  
Progression diploma  
BTEC award, certificate and diploma level 3  
BTEC National  
OCR National  
Cambridge National

Certificate of higher education

Key Skills level 4  
NVQ level 4  
BTEC Professional award, certificate and diploma level 4  
HNC

## HND

NVQ level 4  
Higher Level Apprenticeship  
Higher diploma  
BTEC Professional award, certificate and diploma level 5  
HNC  
Diploma of higher education  
Diploma of further education  
Foundation degree

NVQ level 4

Higher Level Apprenticeship  
BTEC Advanced Professional award, certificate and diploma level 6  
Bachelor's degree  
Graduate certificate  
Graduate diploma

BTEC Advanced Professional award, certificate and diploma level 7  
Fellowship and fellowship diploma  
Postgraduate certificate  
Postgraduate diploma  
NVQ level 5  
Degree Level Apprenticeship  
BTEC Advanced Professional award, certificate and diploma level 7  
Master's degree

NVQs level 5

Vocational qualifications level 8  
Doctorate  
Degree Level Apprenticeship

Food Processing Worker

Labourer

Packaging & Dispatch Operative

Machine Operative

Brewery Worker

Food Processing Worker

Glass Processor

Bottler

Quality Assurance Technician

Window Fabricator

Glass Manufacturing Apprentice

Mobile Plant Operative

Printing Administrator

Quality Control Inspector

Line Supervisor

Shift Manager

Health & Safety Advisor

Manufacturing Systems Engineer

Production Manager

Factory Manager

Health & Safety Manager

Technical Brewer

Production Planner

Consumer Scientist

Production Director

Factory Director

Technical Brewer

