

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.

16.7% of employment in the Humber is in manufacturing

Examples of Key Employers in the Humber



CRANSWICK plc



Humdinger



HEALTH · HYGIENE · HOME

SIEMENS

BAE SYSTEMS

NOVARTIS

Useful subjects

- Maths
- Engineering
- Science

Did you know?

- The Manufacturing Sector accounts for 16.7% of the region's workforce, employing 59,000 people
- Yorkshire & the Humber is the country's largest food producing region
- Manufacturing of Chemicals and pharmaceuticals is prominent in the Humber
- The Humber's Green Port Hull development will benefit the Humber's manufacturing economy, Green energy is the most talked about aspect of the Humber green economy
- 23% people employed in the sector are women nationally
- Nationally only 3.4% engineering and manufacturing apprentices are female
- Nationally only 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

Will there be opportunities available?

- Manufacturing has an ageing workforce with a significant number of workers retiring in the next decade leaving a gap for younger people to move into the sector
- 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:

- National Careers Service
- www.lmihumber.co.uk
- www.careersyandh.co.uk
- www.bridgingthegaphumber.co.uk
- www.gov.uk/apply-apprenticeship
- www.allaboutcareers.com
- www.semta.org.uk
- www.cogent-ssc.com
- www.deliveringyourfuture.co.uk
- Look in your local newspapers
- Pop in to you local Job Centre
- Check out Social Media
- And talk to family and friends



Supported by the
Regional Growth Fund

"This investment forms part of the Humber LEP's European Structural and Investment Funds (ESIF) allocation"

Planning ahead...

Entry Level

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

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 (ESOL)

Level 1

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

GCSE (grades D-G or 1-3)
Traineeship
Study Programme
Key Skills
NVQ
Skills for Life
Foundation Diploma
BTEC Award, Certificate and Diploma
Foundation Learning
Functional Skills
OCR National

Level 2

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

GCSE (grades A*-C or 4-9)
Intermediate Apprenticeship
Key Skills
NVQ
Skills for Life
Higher Diploma
BTEC award, Certificate and Diploma
Functional Skills

Level 3

Involves obtaining detailed 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

AS and A level
Advanced Apprenticeship
Advanced Extension Award
Cambridge International Award
International Baccalaureate
Key Skills
NVQ
Advanced Diploma
Progression Diploma
BTEC award, Certificate and Diploma
BTEC National
OCR National
Cambridge National

Level 4

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

HNC
Higher Level Apprenticeship
Key Skills
NVQ
BTEC Professional Award, Certificate and Diploma
Certificate of higher Education

Level 5

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

HND
NVQ
Higher Level Apprenticeship
Higher Diploma
BTEC Professional Award, Certificate and Diploma
HNC
Diploma of Higher Education (DipHE)
Diploma of Further Education
Foundation Degree

Level 6

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

NVQ
Higher Level Apprenticeship
BTEC Advanced Professional Award, Certificate and Diploma
Degree with Honours (BA Hons, BSc Hons)
Graduate Certificate
Graduate Diploma

Level 7

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

BTEC Advanced Professional Award, Certificate and Diploma
Fellowship and Fellowship Diploma
Postgraduate Certificate
Postgraduate Diploma
NVQ
Degree Level Apprenticeship
BTEC Advanced Professional Award, Certificate and Diploma
Master's degree

Level 8

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

NVQs
Vocational qualifications
Doctorate
Degree Level Apprenticeship
Postgraduate Certificate

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

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.