



# EAL Level 2 Diploma in Manufacturing (Knowledge and Skills)

## Qualification specification

### Overview

This qualification has been developed to provide learners with an intermediate knowledge and understanding of the practices and processes of a range of manufacturing related activities. It covers the knowledge and understanding that is relevant to a wide variety of careers and study routes and takes a hands-on approach to manufacturing training.

**Typical job roles:** roles relating to manufacturing, process/assembly and materials transfer operations and inspection and testing activities.

Qualification code:	603/3589/0
Level:	2
TQT:	Minimum 370 hours
Minimum learning age:	16



## Purpose of the qualification

### What is this qualification?

This qualification is a Level 2 Diploma in Manufacturing (Knowledge and Skills) and is a Vocational Related Qualification (VRQ). It will give learners knowledge and understanding of a range of manufacturing related activities. The qualification covers the intermediate knowledge and understanding that is required by someone working in the manufacturing sector. It takes a hands-on approach to foundation manufacturing training by providing learners with:

- knowledge and understanding of a range of manufacturing related activities
- information that will help them make more informed decisions about their career options
- personal skills to help them work effectively and achieve their potential

This qualification is not graded qualification; learners can either pass or fail.

### What does this qualification cover?

The qualification covers the specific knowledge and understanding of a range of manufacturing disciplines which have been developed in consultation with employers, industry specialists and training providers to ensure that it meets the needs of industry employers and learners.

The content and structure of the qualification has been developed to provide the appropriate level of knowledge and understanding required to be achieved and assessed to demonstrate full occupational knowledge of the apprenticeship.

The qualification units are listed in the 'Structure' section on page 4.

This qualification is a Level 2 Diploma and has a minimum Total Qualification Time of 370 hours.

### Who is this qualification for?

- apprentices working towards a relevant apprenticeship standard
- apprentices looking to advance to the development phase of a relevant apprenticeship standard

## Who supports the qualification?

### This qualification is:

- Regulated by Ofqual at Level 2
- Endorsed by employers as facilitating the completion of the knowledge for the manufacturing sector as required by the Apprenticeship Standard for: Lean Manufacturing Operative

## What could this qualification lead to?

### Typical job roles include roles relating to:

- Manufacturing operations
- Process/assembly operations
- Materials transfer operations
- Inspection and testing activities

The qualification will provide progression onto other suitable and appropriate Level 3 and Level 4 manufacturing qualifications.

## Entry requirements

Learners must be at least 16 years old. There are no formal entry requirements for this qualification; however centres should ensure that the apprentice has the potential to achieve this qualification. Apprentices must have the minimum levels of literacy and numeracy to complete the learning outcomes and the external assessment.

Centres should make apprentices with particular requirements aware of the content of the qualification and they should be given every opportunity to successfully complete the qualification. EAL will consider any reasonable suggestions for, and from, those with disabilities that would help them to achieve the learning outcomes without compromising the standards required.

## How is the qualification achieved?

The qualification is achieved when all the necessary units have been completed. The centre will then be able to apply for the apprentice's certificate of achievement. The apprentice will also receive a certificate of unit credit, listing all the units they have achieved.

## What will be assessed

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This qualification is made up of units to which appropriate assessment methods, chosen by the advanced manufacturing and engineering employer group, have been applied. The units contain the learning outcomes and the assessment criteria that the learner is to be assessed against.

All learning outcomes within the qualification will be assessed. In order to meet this requirement, it is advised that centres should maintain an assessment and feedback record for each learner. This will detail the evidence evaluated against the learning outcome and the feedback given to the learner. All learner evidence must be available to the EAL external quality assurer.

## Grading criteria

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Learners must achieve a Pass in ALL components for the qualification to be awarded. If learners are unsuccessful in one or more of the assessment components then the overall result for the qualification will be 'referred' and a certificate will not be awarded.

Please refer to the marking criteria within the delivery packs and assessment packs on how to mark individual units.

## How will it be assessed?

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Assessment methods within this qualification comprise of internal centre marked knowledge and practical assessments. Assessment methods have been designed to assess the knowledge and understanding of learners for all units.

All assessment decisions are then subject to internal and external quality assurance.

## Structure

This qualification can be achieved by completing the mandatory units plus the required number of optional units.

### Mandatory units: all five mandatory units must be completed:

EAL Code	Unit title	GL (Hrs)	Ofqual Code
LMOK2-001	Health and safety within a manufacturing environment	30	H/617/2132
LMOK2-002	Communicating and working effectively within a manufacturing environment	30	K/617/2133
LMOK2-003	Working relationships and individual rights and responsibilities within a manufacturing environment	30	M/617/2134
LMOK2-004	Application of workplace organisation	30	T/617/2135
LMOK2-005	Work related problem solving techniques	40	A/617/2136

### Optional units:

#### Plus two of the following units must be completed:

LMOK2-006	Preparing for manufacturing operations	20	F/617/2137
LMOK2-007	Controlling manufacturing operations	20	J/617/2138
LMOK2-008	Concluding manufacturing operations	20	L/617/2139

**Optional job specific units:** Plus, a minimum of **one** unit from any of the job specific units below. When this qualification forms part of an apprenticeship, the unit selected should align to the learner's job role as identified by the apprenticeship standard.

LMOK2-009	Transferring materials for manufacturing operations	60	F/617/2140
LMOK2-010	Receiving and checking incoming materials for manufacturing operations	60	J/617/2141
LMOK2-011	Producing products by assembly operations	60	L/617/2142
LMOK2-012	Producing products by processing	60	R/617/2143
LMOK2-013	Finishing operations	60	Y/617/2144
LMOK2-014	Analysing the results of inspection and confirming quality of production	60	D/617/2145
LMOK2-015	Carrying out inspection and testing activities	60	H/617/2146
LMOK2-016	Recording and reporting inspection and test results	60	K/617/2147