

Qualification title: OAL Level 3 NVQ Diploma in Furniture and Wood Processing Technician (CNC Machining)
QAN: 601/6657/5

1. Qualification specification

1.1. Qualification purpose

The primary purpose of the qualification is to enable individuals to demonstrate specific competence and knowledge appropriate for the day to day activities in a manufacturing environment using wood and wood-based materials to create products and components. Products may include, for example: furniture for domestic, commercial and industrial use and other items for the engineered wood and construction sectors.

The Level 3 NVQ Furniture and Wood Engineering - CNC Machining is a national qualification consisting of mandatory and optional units. The mandatory units cover health and safety, Loading and proving CNC woodworking machines and mechatronics. Individuals choose units that match their job role which may be about maintaining pneumatic or hydraulic systems, operating CAD equipment or continuous improvement. These job-specific units confirm both skills competence and the necessary related job knowledge.

By the end of the qualification, the learner will be competent in the job role and have a good understanding of the related job knowledge associated with the role.

1.2. Who is this qualification for?

Those working in the furniture and wood processing industry, or working towards an apprenticeship, this qualification is ideal for demonstrating competence. It is a measure of ability to carry out a range of work to criteria which has been set by the industry.

1.3. Entry requirements

There is no necessity for any formal entry requirement to this qualification beyond the basic literacy and numeracy expected from anyone entering the wood industry.

1.4. Regulatory information

Countries offered in:	England
Subject/sector areas	4.2 Manufacturing Technologies
Qualification operational start date:	1st October 2015
Qualification review date:	31st December 2019
Applicable age ranges (years):	16-18, 19+

1.5. Qualification support

This qualification has been designed and developed by OAL with the support and in consultation with the following organisations:

- British Woodworking Federation
- British Furniture Manufacturers
- The Furniture Makers
- Proskills

1.6. Further information

Further information about this qualification can be obtained from:

<http://www.oawards.co.uk/quals/>

You can also contact OAL directly at:

Occupational Awards Ltd, The Catalyst, Baird Lane, Heslington, York, YO10 5GA

Tel: 01904 236 483

Email: info@oawards.co.uk

1.7. Qualification achievement

Learners should achieve all mandatory credits/units, plus at least 4 units gaining at least 33 credits from Optional Group A. The minimum credit value of this qualification is 108.

The units are allocated a credit value which provides an indication of the size of the unit in terms of learning hours, 1 credit = 10 learning hours. The units also have assigned Guided Learning Hours (GLH), which indicate the average number of hours a learner may require guidance and support from teaching, learning and assessment professionals to achieve the unit.

The units of assessment set out learning outcomes which describe what learners need to be able to do and understand. The learning outcomes are defined by assessment criteria which are used to assess competence, expressed as skills achieved and learned knowledge and understanding, to achieve the units. Achievement of the one mandatory unit and one optional unit will mean the qualification has been completed, and will be subject to approval of a claim for certification. OAL will issue a certificate complete with the learner's name, the qualification and unit titles and the credits achieved.

1.8. Qualification structure

Qualification title: OAL Level 3 NVQ Diploma in Furniture and Wood Processing Technician (CNC Machining)					
Qualification number (QN): 601/6657/5			Total Qualification Time (TQT) 1080 hours		
Total qualification credits 108			Guided Learning Hours (GLH) 454		
Learners should achieve all mandatory credits/units, plus at least 4 units gaining at least 33 credits from optional group A. The minimum credit value of this qualification is 108.					
Mandatory units					
Unit number	Title	Type	Level	Credit	GLH
M/506/4084	Promote and maintain health and safety within the working environment	C	3	6	30
R/600/0260	Properties and applications of engineering materials	C	3	10	60
M/506/4067	Contribute to sustainable business practice	C	2	4	14
R/503/2924	Confirming the occupational method of work in the workplace	C	3	11	37
H/507/2960	Loading and proving programs for CNC machinery in furniture processing	C	3	15	56
H/507/2991	Operate computer numerically controlled (CNC) machinery and equipment	C	2	10	50

A/503/2772	Confirming work activities and resources for an occupational work area in the workplace	C	3	10	33
A/507/2995	Mechatronics systems principles and fault finding	C	2	9	80
Optional units					
Unit number	Title	Type	Level	Credit	GLH
F/507/2996	Applying total productive maintenance (TPM)	C	3	15	54
M/507/2959	Monitor and maintain performance of pneumatic systems	C	3	8	21
R/507/2971	Monitor and maintain performance of hydraulic systems	C	3	9	21
M/507/2993	Contributing to the application of continuous improvement techniques _Kaizen	C	2	14	55
D/507/2990	Principle of mechanical manufacturing engineering	C	3	9	80
H/507/2974	Evaluate and develop own skills and expertise	C	3	10	41
T/600/8335	Improve process and quality control in a commercial environment	C	3	10	41
K/600/8333	Improve the customer relationship	C	3	14	55
F/600/8337	Define and develop standard operating procedures within the furniture, furnishings and interiors industry	C	3	10	33
L/600/8339	Provide technical advice on furniture manufacture operations	C	3	15	49
R/600/8343	Produce and maintain jigs and templates	C	3	8	16
K/507/2975	Solve and prevent furniture manufacture problems	C	3	15	47
K/600/8347	Produce furniture production specifications	C	3	9	30
K/506/6125	Operate CAD equipment	C	3	11	33
F/600/8371	Plan and manage design work	C	3	17	65
H/600/8380	Conduct a health and safety risk assessment of a workplace	C	3	8	36
H/600/8346	Produce furniture design prototypes	C	3	19	90
J/507/2997	Wood machinery and equipment maintenance	C	2	16	44
T/507/2994	Provide advice and guidance on the selection and application of wood and wood based materials	C	2	10	32

Key to unit type

1. Competence (C) units are designed to assess learner performance in respect of the learner's applied skills and knowledge in the workplace when carrying out operational tasks required by their role

1.9. Assessment

The qualification must be assessed using the following assessment method:

- Portfolio of evidence

Learners are required to achieve all learning outcomes within units of assessment. All assessment is subject to internal quality assurance within approved centres providing this qualification. External quality assurance of assessment and internal quality assurance within approved centres is provided by OAL.

This qualification is not graded; achievement certificates for this qualification are issued on the basis of awarding a pass only.

1.10. National Occupational Standards

The units of assessment in this qualification are related to the following National Occupational Standards:

- Furniture and Wood Processing Suite

Further details at www.ukstandards.org.uk