
FURNITURE MAKING
**Operate a Computer Numerical
Controlled (CNC) machine for furniture
making**

level:	3
credit:	4
final date for comment:	February 2006
expiry date:	December 2007
sub-field:	Furniture
purpose:	People credited with this unit standard are able to: establish job requirements for furniture making; check machine is set up for furniture making; prepare materials for furniture making; and operate a Computer Numerical Controlled (CNC) machine for furniture making. They are responsible for their own work quality and work under supervision.
entry information:	Open.
accreditation option:	Evaluation of documentation and visit by NZQA and industry.
moderation option:	A centrally established and directed national moderation system has been set up by the NZ Furniture Industry Training Organisation.
special notes:	<ol style="list-style-type: none">1 This unit standard applies to: CNC Beam Saw, Multi-Headed CNC machines, or Multi-Axis Contour machines.2 The operator's responsibility refers to those responsibilities documented for that machine or worksite.

FURNITURE MAKING
Operate a Computer Numerical
Controlled (CNC) machine for furniture
making

- 3 All performances are carried out in accordance with in-company working practices. These must comply with government and local body regulations, manufacturer's instructions, occupational procedures and legislation including: Health and Safety in Employment Act 1992, Health and Safety Regulations 1995, Resource Management Act 1991, Dangerous Goods Act 1974, and their subsequent amendments.
- 4 This unit standard must be assessed in a commercial furniture making environment. Practical assessment evidence of competence must be gathered from commercial jobs in the workplace under normal conditions.

Elements and Performance Criteria

element 1

Establish job requirements for furniture making.

performance criteria

- 1.1 Job specifications are obtained, understood, and verified with the supervisor according to in-company working practices.
- 1.2 Safety equipment is obtained and worn according to the manufacturer's and the company's requirements.
- 1.3 Machine and mechanical handling equipment are safely isolated from the power sources during set-up according to the manufacturer's and the legal guidelines.

FURNITURE MAKING
Operate a Computer Numerical
Controlled (CNC) machine for furniture
making

1.4 Presence of services is checked and the supervisor is informed if they are not present.

Range: electrical power, lighting, air supply, dust extraction fans.

element 2

Check machine is set up for furniture making.

performance criteria

2.1 Machine tools and implements are checked by the operator according to the operator's responsibility.

Range: jigs, templates, blades, cutters, borers.

2.2 Machine is referenced to prepare for the operation according to the manufacturer's specifications.

2.3 Operation program is loaded according to the manufacturer's specifications.

element 3

Prepare materials for furniture making.

performance criteria

3.1 Materials are obtained according to the job specifications.

Range: natural timbers, wood composites.

3.2 Materials that do not conform to job specifications are identified, and rectified or disposed of according to the industry and the legal guidelines.

FURNITURE MAKING
Operate a Computer Numerical
Controlled (CNC) machine for furniture
making

- 3.3 Materials are loaded on to the machine according to in-company working practices.

element 4

Operate a computer numerical controlled (CNC) machine for furniture making.

performance criteria

- 4.1 Machine operation conforms to the health and safety regulations and the job specifications.
- 4.2 Output of machine is monitored and adjustments are made to ensure continuity of the process.
- 4.3 Defective materials are identified and rejected according to the job specifications.
- 4.4 Setting adjustments are made to the machine tools and implements within the operator's responsibility and according to the manufacturer guidelines to rectify out of specification materials.
- Range: rollers, pads, plates, transport belts, pneumatics, vacuums.
- 4.5 Faults that cannot be rectified by the operator are reported to the supervisor according to in-company working practices.
- 4.6 Components are produced to specification and within the time limits according to the job specifications.
- 4.7 Machine and work area are made clean, clear, and safe according to in-company working practices.

FURNITURE MAKING
Operate a Computer Numerical
Controlled (CNC) machine for furniture
making

Comments to:

NZ Furniture Industry Training Organisation
Unit Standard Revision
PO Box 160
WELLINGTON

by February 2006.

Please Note: Providers must be accredited by the Qualifications Authority before they can offer programmes of education and training assessed against unit standards.

Accredited providers assessing against unit standards must engage with the moderation system that applies to those unit standards. [Please refer to relevant Plan ref: 0006]