Title	**Coordinate finger jointer operations in solid wood manufacturing**		
Level	**4**	**Credits**	**20**

Purpose	People credited with this unit standard are able to: demonstrate knowledge of finger jointing operations in solid wood manufacturing; organise in-feed to finger jointer; monitor machine production volume and quality of shooks; organise out-feed; demonstrate knowledge of handling and storage of glue ingredients, glues, and residues.

Classification	Solid Wood Manufacturing > Finger Jointing

Available grade	Achieved

Guidance Information

1 Legislation
Health and Safety at Work Act 2015.
Resource Management Act 1991.

2 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider wood manufacturing industry as examples of best practice.
Workplace procedures refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the wood manufacturing sector.

3 Assessment information
All activities and evidence must meet workplace procedures and accepted industry practice.

4 Recommended unit standard for entry: Unit 20772, *Set up finger jointer for solid wood manufacturing*.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of finger jointing operations in solid wood manufacturing.

Performance criteria

1.1 Role of the finger jointing operation is identified.

1.2 Operating parameters and capability of the finger jointer is explained.

Range may include but is not limited to – maximum and minimum shook cross sections, maximum and minimum shook lengths; maximum and minimum output lengths.

1.3 Operating components of the finger jointer are identified.

Range may include but is not limited to – face-to-face or edge-to-edge joint profile, finger length, trim saws (if fitted), scoring saws (if fitted), cut of saw, press, automatic stacker (if fitted).

1.4 Hazards associated with operating a finger jointer for wood product manufacturing are identified and actions to be taken to manage the hazards are described.

Range hazards may include but are not limited to – moving equipment, lifting, noise;
actions may include but are not limited to – isolation procedures, stop buttons, lock out switch or system, guards.

Outcome 2

Organise in-feed to finger jointer.

Performance criteria

2.1 Schedule is interpreted, requirements identified, and any remedial action is taken.

2.2 Supply of shook to meet production requirements is confirmed.

2.3 Supply of correct glue type is confirmed.

2.4 Availability of sharp joint profile tooling and saws to meet customer requirements is confirmed.

2.5 Availability of appropriate skilled staff is confirmed.

2.6 Availability of energy supply is confirmed.

Range may include but is not limited to – electricity, pneumatics, hydraulics, gas, heat, water.

Outcome 3

Monitor machine production volume and quality of shooks.

Performance criteria

3.1 Machine operation is monitored to maintain production and quality requirements.

3.2 Quality and appearance of the incoming shook is monitored, and any remedial action taken.

3.3 Out-of-specification shooks are managed.

3.4 Production and downtime records are analysed, and any remedial action taken to minimise damage.

3.5 Preventative maintenance schedule is identified and followed.

Outcome 4

Organise out-feed.

Performance criteria

4.1 Availability of packaging materials is confirmed.

4.2 Availability of packet builds, packet numbers, necessary marking and recording equipment is confirmed.

4.3 Stacked blanks are removed and forwarded.

4.4 Reject finger jointed blanks are managed.

4.5 Samples for quality testing are collected and labelled.

Outcome 5

Demonstrate knowledge of handling and storage of glue ingredients, glues, and residues.

Performance criteria

5.1 Safety Data Sheets (SDS) for glue ingredients, glues, and residues are located.

5.2 First aid treatment requirements, materials handling requirements, and storage requirements are explained in accordance with the SDS information.

5.3 Storage location for glue ingredients is identified.

5.4 Method for collection and/or disposal of glue residues is identified.

Planned review date	31 December 2024

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 May 1995	31 December 2020
Review	2	10 February 1999	31 December 2020
Revision	3	14 March 2000	31 December 2020
Revision	4	15 December 2000	31 December 2020
Review	5	18 December 2006	N/A
Review	6	25 June 2020	N/A

Consent and Moderation Requirements (CMR) reference	0013

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.