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.

Subfield  Solid Wood Manufacturing
Domain  Finger Jointing
Status  Registered
Status date  18 December 2006
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Entry information  Prerequisite: Unit 21763, Set up edge-to-edge finger jointer for wood product manufacturing; or Unit 20772, Set up face-to-face finger jointer for solid wood manufacturing; or demonstrate equivalent knowledge and skills.

Accreditation  Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB)  Competenz

Accreditation and Moderation Action Plan (AMAP) reference  0173
This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes

1  Definition
   Worksite documentation refers to instructions to staff on policy and procedures (including the application of legislation to worksite situations), which are formally documented, and are available for reference at the worksite. Examples are standard operating procedures, specifications, manuals, and manufacturer's information.
The following apply to the performance of all elements of this unit standard:

a All work practices must meet recognised codes of practice and documented worksite health and safety and environmental procedures (where these exceed the code) for personal, product and worksite health and safety, and must meet the obligations required under current legislation, including the Hazardous Substances and New Organisms Act 1996, the Health and Safety in Employment Act 1992, the Resource Management Act 1991, and their subsequent amendments.

b All work practices must meet documented worksite operating procedures. This includes the recording (by electronic or non-electronic means) of activities, events, and decisions.

c All evidence of communications gathered in relation to this unit standard must be in accordance with worksite procedures for content, recipient, timing and method.

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**Elements and performance criteria**

**Element 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 in accordance with worksite documentation.

   Range includes 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 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 isolate, minimise or eliminate the hazard are described in accordance with worksite documentation.

   Range hazards 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.
Element 2

Organise in-feed to finger jointer.

Performance criteria

2.1 Schedule is interpreted, requirements identified and remedial action taken in accordance with worksite documentation.

2.2 Supply of shook to meet production requirements is confirmed in accordance with worksite documentation.

2.3 Supply of correct glue type is confirmed in accordance with worksite documentation.

2.4 Availability of sharp joint profile tooling and saws to meet customer requirements is confirmed in accordance with worksite documentation.

2.5 Availability of appropriate skilled staff is confirmed in accordance with worksite documentation.

2.6 Availability of energy supply is confirmed in accordance with worksite documentation.

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

Element 3

Monitor machine production volume and quality of shooks.

Performance criteria

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

3.2 Quality and appearance of the incoming shook is monitored and remedial action taken in accordance with worksite documentation.

3.3 Out-of-specification shooks are managed in accordance with worksite documentation.

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

3.5 Preventative maintenance schedule is identified and followed in accordance with worksite documentation.
Element 4

Organise out-feed.

Performance criteria

4.1 Availability of packaging materials is confirmed in accordance with worksite documentation.

4.2 Availability of packet builds, packet numbers, necessary marking and recording equipment is confirmed in accordance with worksite documentation.

4.3 Stacked blanks are removed and forwarded in accordance with worksite documentation.

4.4 Reject finger jointed blanks are managed in accordance with worksite documentation.

4.5 Samples for quality testing are collected and labelled in accordance with worksite documentation.

Element 5

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

Performance criteria

5.1 Material Safety Data Sheets (MSDS) for glue ingredients, glues, and residues are located in accordance with worksite documentation.

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

5.3 Storage location for glue ingredients is identified in accordance with worksite documentation.

5.4 Method for collection and/or disposal of glue residues is identified in accordance with worksite documentation.

Please note

Providers must be accredited by the Qualifications Authority, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.
Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

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