

40346 Operate a clamshell die cutter in the fibreboard packaging industry

Kaupae Level	3
Whiwhinga Credit	10
Whāinga Purpose	<p>This skill standard is intended for people who are already working in the fibreboard packaging industry and want to progress into an operator role. They will be able to make ready and operate a clamshell die cutter for fibreboard packaging, stack product, and carry out post-production tasks.</p> <p>This skill standard aligns with the New Zealand Certificate in Fibreboard Packaging (Level 3) with strands in Case Converting, Case Corrugating, and Carton Converting [Ref: 1819].</p>
Whakaakoranga me mātua oti Pre-requisites	Unit standard 340, <i>Demonstrate knowledge of safe working practices in the print industry</i> , or demonstrate equivalent knowledge and skills.

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Describe components and requirements of a clamshell die cutter and dies used in the fibreboard packaging industry.	a. Describe the main components of a clamshell die cutter and their functions.
	b. Explain required adjustments to components in terms of workplace procedures.
	c. Describe die rubbering requirements for different production tasks in terms of job requirements.
	d. Describe the rule types for different production tasks including cutting, creasing and perforating.
	e. Explain the requirements for handling and storing dies.
2. Confirm job requirements for fibreboard packaging.	a. Check job documentation to ensure that all specifications for the process being undertaken are met and report any discrepancies.
	b. Check required job components against the job documentation and confirm their availability.
	c. Confirm equipment is available, as determined by the job documentation.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
3. Make ready and operate a clamshell die cutter to make die cut product.	<ul style="list-style-type: none"> a. Confirm cutting forme nicking requirements, and check cutting forme is nicked to meet the requirements of further processes. b. Prepare patch sheet and ensure that there is no damage to cutting forme or excessive pressure. c. Complete make ready process. d. Check board for faults and rectify or reports any faults found. e. Complete cutting, creasing and die cutting to print. f. Maintain production running speed and ensure that quality and production standards are met. g. Check for faults during production run and identify and rectify any faults to ensure fault free production is successfully resumed.
4. Stack product on a pallet or slip sheet.	<ul style="list-style-type: none"> a. Stack product continuously during production run. b. Check for any visible faults on stacked product and follow procedures if checks indicate potential production faults. c. Carry out load format and identification.
5. Carry out post-production tasks for fibreboard packaging.	<ul style="list-style-type: none"> a. Check quantity and other job requirements against job documentation and rectify any discrepancies in quantity before removing job from machine. b. Follow correct shut-down sequence for clamshell die cutter. c. Complete job documentation and note any amendments and variations for future reference. d. Replicate any added patching on cutting plate to patch sheet for future use. e. Carry out other post-production tasks as required by job documentation.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

- Evidence presented for assessment against this skill standard must be carried out on a job involving the first-time use of a new die or a reknived die.
- Evidence presented for assessment against this skill standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

Definitions:

Components of a clamshell die cutter include but are not limited to die attachment points, cutting plate against which die cutting is made, adjustment and setting components, and feed mechanisms.

Job documentation refers to the documentation that is used in the workplace that contains the instructions and requirements for a particular production job. This may include but is not limited to – workplace orders, production orders, workplace specifications, samples, lay cards.

Job requirements refer to specific requirements for the fibreboard packaging job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the fibreboard packaging workplace and/or organisation.

Workplace procedures refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. 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, manufacturer's requirements, 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 fibreboard packaging industry.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

- Components include die attachment points, cutting plate against which die cutting is made, adjustment and setting components, feed mechanisms.
- Make ready process including matrix if required.
- Die rubbering requirements including durometer, width, height, style, position.
- Load format including specific requirements for counts, bundling, strapping, unitising, palletising.

Rauemi | Resources

Legislation relevant to this skill standard includes but is not limited to:

- Health and Safety at Work Act 2015.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this skill standard will take precedence for assessment purposes, pending review of this skill standard. Legislation can be accessed at:

<https://www.legislation.govt.nz>.

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Hanga-Aro-Rau Workforce Manufacturing, Engineering and Logistics Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Manufacturing > Fibreboard Packaging > Fibreboard Packaging Production
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0013

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	28 November 2024	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 27790.		
Rā arotake Planned review date	31 December 2029		

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council at qualifications@hangaarorau.nz if you wish to suggest changes to the content of this skill standard.