<table>
<thead>
<tr>
<th>Title</th>
<th>Set-up a combing machine to comb top</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>4</td>
</tr>
<tr>
<td>Credits</td>
<td>12</td>
</tr>
</tbody>
</table>

**Purpose**

This unit standard is for people working in the top making industry. People credited with this unit standard are able to:
- describe the operation and function of the comb components;
- and set-up a comb for safe and efficient manufacture of top that meets specification.

**Classification**

Textiles Manufacture > Top Making, Semi-Worsted and Worsted Processing

**Available grade**

Achieved

**Entry information**

**Critical health and safety prerequisites**

Prerequisite: Unit 3133, *Comb top on a combing machine*, or demonstrate equivalent knowledge and skills.

**Explanatory notes**

1. Competency will be demonstrated on a rectilinear or French comb.
3. Workplace productivity and quality requirements will be met.

**Outcomes and evidence requirements**

**Outcome 1**

Demonstrate knowledge of combing machine set-up.

**Evidence requirements**

1.1 Combing principles and comb actions are described in terms of comb function and operation.

   Range form fringe, comb fringe, remove noil, draw off tuft, comb tail, piece together.

1.2 Comb settings are described in terms of their effect on combing process.
Range feed length, overlap, tension, drawing off delay, gauge.

1.3 Fibre diagram is interpreted and used to determine optimum comb setting.

1.4 Fibre types are identified and described in terms of their performance in combing.

Range fibre types used in workplace.

Outcome 2

Prepare and operate comb.

Evidence requirements

2.1 Machine settings and adjustments are made according to plant safety procedures.

2.2 Comb is clean and condition of components meets machine operating requirement.

Range top comb condition, segment condition, apron condition.

2.3 Comb settings produce fibre processed according to work instructions.

Range feed length, overlap, tension, drawing off delay, gauge.

2.4 Input creel is prepared according to workplace practice and work instructions.

Range number of slivers, break detectors, threaded.

2.5 Instrumentation and control devices are set according to plant procedure.

Range devices installed on equipment in workplace.

2.6 Comb components are maintained to manufacturer’s and workplace requirements.

Range top comb, nip brush, noil brush, doffer.

Outcome 3

Run comb to optimise machine settings.

Evidence requirements

3.1 Machine is operated according to plant safety procedures.

3.2 Combed top is produced according to workplace productivity standards and product specification.
3.3 Samples are taken for testing according to operating procedures.

3.4 Test results are assessed and machine adjustments made to achieve product quality.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

<table>
<thead>
<tr>
<th>Process</th>
<th>Version</th>
<th>Date</th>
<th>Last Date for Assessment</th>
</tr>
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<tr>
<td>Registration</td>
<td>1</td>
<td>3 April 1995</td>
<td>31 December 2019</td>
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<td>Revision</td>
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<td>8 August 1997</td>
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<td>31 December 2019</td>
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<td>Review</td>
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</tr>
</tbody>
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Consent and Moderation Requirements (CMR) reference 0030


Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR 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.