

**Specification of Competency Standards**  
**for the Manufacturing Technology Industry**  
**Unit of Competency**

Functional Area - Product Manufacturing

Title	Pre/ post processing of plastic materials and products
Code	106430L3
Range	This unit of competency is applicable to the production department of the plastics industry corporation. Practitioners should be capable to carry out pre/ post processing of plastic materials and products
Level	3
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> <li>1. Understand relevant knowledge of pre/ post processing of plastic materials and products <ul style="list-style-type: none"> <li>• Understand the usage, methods and techniques of the commonly used plastics before processing, such as drying and hydroscopic treatment</li> <li>• Understand the usage, methods and techniques of commonly used processed products, such as laser tag, nozzle handling, fuel injection, silk screen printing, pad printing and eliminate stress</li> <li>• Understand the characteristics and applications of the equipment of pre/ post processing of commonly used plastic products</li> <li>• Understand the equipment structure, safety operation and preventive maintenance of pre/ post processing of commonly used plastic products</li> </ul> </li> <li>2. Carry out pre/ post processing of plastic materials and products <ul style="list-style-type: none"> <li>• Analyse the product design requirements and the characteristics of product materials</li> <li>• Select the appropriate pre/ post processing for plastic products</li> <li>• In accordance with the requirements, safely perform preprocessing of plastic materials</li> <li>• In accordance with the requirements, safely carry out post processing and packaging</li> <li>• Arrange suitable tests for quality inspection, continuously improve the options and approaches of pre/ post processing of plastic products</li> <li>• Control the environment of pre/ post processing of plastic products</li> <li>• Determine and manage the performance and life of machinery and equipment, preventively maintain machinery and equipment and carry out troubleshooting</li> </ul> </li> <li>3. Professional handling of pre/ post processing of plastic materials and products <ul style="list-style-type: none"> <li>• Follow safety guidelines and related codes of practice, in accordance with the requirements of technologies and techniques, product specifications and production efficiency, carry out pre/ post processing of plastic materials and products</li> </ul> </li> </ol>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Capable to set an appropriable pre/ post processing of products and apply on production in accordance with requirements</li> <li>• Capable to set the quality standard of pre/ post processing for product evaluation</li> </ul>
Remark	