

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

Functional Area - Process Design and Development

Title	Select quality monitoring and assurance equipment in need for different products
Code	106495L4
Range	This unit of competency is applicable to the corporations of the plastic Manufacturing Technology Industry. Practitioners should be capable to master the requirements of quality control of the corporation, so as to develop and select appropriate equipment
Level	4
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Understand relevant knowledge of Selection of quality monitoring and assurance equipment in need for different products <ul style="list-style-type: none"> • Understand all kinds of manufacturing processes of the corporation • Understand all kinds of quality control equipment, such as video monitoring, laser scanning and Coordinate Measuring Machine (CMM) • Understand the Accuracy and operability of all kinds of quality control methods and equipment • Understand the maintenance and upgrade methods of all kinds of quality control equipment • Understand the latest technology and information of all kinds of quality control 2. Select quality monitoring and assurance equipment in need for different products <ul style="list-style-type: none"> • Coordinate with the automated production line with an appropriate selection of testing and quality control equipment • Search the industry information of all kinds of all kinds of quality control methods and equipment, including automatic quality control equipment • Analyse industry demand for automatic product quality control equipment, technical requirements and development trends • Master the new technology of automatic product quality control equipment and apply on the production line 3. Professional handling of selection of quality monitoring and assurance equipment in need for different products <ul style="list-style-type: none"> • Meet the precision and detection speed requirements as a precondition, select the automatic product quality control methods and equipment • Ensure there is no defect of processes and equipment, control and minimise the chances of failure probability
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to search information of product quality control in need for production line, such as equipment upgrades, maintenance and application of new technologies • Capable to select appropriate quality control equipment, including automatic quality control equipment
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