

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

Functional Area - Process Design and Development

Title	Select machinery equipment and auxiliary equipment in need, and understand their structure, types, control, functions and applications
Code	106494L4
Range	This unit of competency is applicable to the engineering departments of the plastic manufacturing technology industries. Practitioners should be capable to master the corporate demand of machinery equipment and auxiliary equipment, so as to select and develop
Level	4
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand relevant knowledge of selection and development of machinery equipment and auxiliary equipment</p> <ul style="list-style-type: none"> • Understand all kinds of manufacturing processes of the corporation • Understand the characteristics and service life of all kinds of machinery equipment and auxiliary equipment in the market • Understand the types, new technologies, advantages and disadvantages of machinery equipment and auxiliary equipment in the market • Understand the maintenance and upgrade methods of machinery equipment and auxiliary equipment <p>2. Selection and development of machinery equipment and auxiliary equipment in need</p> <ul style="list-style-type: none"> • Search the industry information of all kinds of machinery equipment and auxiliary equipment, including automation equipment • Analyse industry demand for machinery equipment and auxiliary equipment, technical requirements and development trends • Coordinate with the automated production line with an appropriate selection of machinery equipment and auxiliary equipment • Master the new technology of machinery equipment and auxiliary equipment and apply on the production line <p>3. Professional handling of selection and development of machinery equipment and auxiliary equipment</p> <ul style="list-style-type: none"> • Meet the design, production quantity and quality requirements as a precondition, select and develop machinery equipment and auxiliary equipment in need • 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 machinery equipment and auxiliary equipment in need for production line, such as equipment upgrades, maintenance and application of new technologies • Capable to select appropriate machinery equipment and auxiliary equipment, including automation equipment
Remark	