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

## Functional Area - Product Manufacturing

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)  Performance Requirements 1. Understand relevant knowledge of pre/ post processing of plastic materials and products  • Understand the usage, methods and techniques of the commonly used plastics before processing, such as drying and hydroscopic treatment  • 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  • Understand the characteristics and applications of the equipment of pre/ post processing of commonly used plastic products  • Understand the equipment structure, safety operation and preventive maintenance of pre/ post processing of commonly used plastic products  • Understand the equipment structure, safety operation and preventive maintenance of pre/ post processing of plastic materials and products  • Analyse the product design requirements and the characteristics of product materials • Select the appropriate pre/ post processing for plastic products  • In accordance with the requirements, safely perform preprocessing of plastic materials • In accordance with the requirements, safely perform preprocessing and packaging • Arrange suitable tests for quality inspection, continuously improve the options and approaches of pre/ post processing of plastic products  • Control the environment of pre/ post processing of plastic products  • Determine and manage the performance and life of machinery and equipment, preventively maintain machinery and equipment and carry out troubleshooting  3. Professional handling of pre/ post processing of plastic materials and products  • Follow safety guidelines and related codes of practice, in accordance with the requirements of technologies and techniques, product specifications and production effi	Title	Pre/ post processing of plastic materials and products
corporation. Practitioners should be capable to carry out pre/ post processing of plastic materials and products  1. Understand Requirements 1. Understand relevant knowledge of pre/ post processing of plastic materials and products  1. Understand the usage, methods and techniques of the commonly used plastics before processing, such as drying and hydroscopic treatment  1. 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  1. Understand the characteristics and applications of the equipment of pre/ post processing of commonly used plastic products  2. Understand the equipment structure, safety operation and preventive maintenance of pre/ post processing of plastic materials and products  3. Analyse the product design requirements and the characteristics of product materials  4. Analyse the product design requirements and the characteristics of product materials  5. Select the appropriate pre/ post processing of plastic products  1. In accordance with the requirements, safely carry out post processing and packaging  2. Arrange suitable tests for quality inspection, continuously improve the options and approaches of pre/ post processing of plastic products  3. Professional handling of pre/ post processing of plastic materials and products  4. Determine and manage the performance and life of machinery and equipment, preventively maintain machinery and equipment and carry out troubleshooting  3. Professional handling of pre/ post processing of plastic materials and products  4. 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  5. Capable to set an appropriable pre/ post processing of products and apply on production in accordance with requirements  4. Capable to set the quality standard of pre	Code	106430L3
Credit 6 (For Reference Only)  Competency  Performance Requirements 1. Understand relevant knowledge of pre/ post processing of plastic materials and products  • Understand the usage, methods and techniques of the commonly used plastics before processing, such as drying and hydroscopic treatment  • 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  • Understand the characteristics and applications of the equipment of pre/ post processing of commonly used plastic products  • Understand the equipment structure, safety operation and preventive maintenance of pre/ post processing of commonly used plastic products  2. Carry out pre/ post processing of plastic materials and products  • Analyse the product design requirements and the characteristics of product materials  • Select the appropriate pre/ post processing for plastic products  • In accordance with the requirements, safely perform preprocessing of plastic materials  • In accordance with the requirements, safely carry out post processing and packaging  • Arrange suitable tests for quality inspection, continuously improve the options and approaches of pre/ post processing of plastic products  • Control the environment of pre/ post processing of plastic products  • Determine and manage the performance and life of machinery and equipment, preventively maintain machinery and equipment and carry out troubleshooting  3. Professional handling of pre/ post processing of plastic materials and products  • 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  Assessment  Criteria  Criteria  Capable to set an appropriable pre/ post processing of products and apply on production in accordance with requirements  • Capable to set the quality standard of	Range	corporation. Practitioners should be capable to carry out pre/ post processing of plastic
Competency  Performance Requirements  1. Understand relevant knowledge of pre/ post processing of plastic materials and products  • Understand the usage, methods and techniques of the commonly used plastics before processing, such as drying and hydroscopic treatment  • 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  • Understand the characteristics and applications of the equipment of pre/ post processing of commonly used plastic products  • Understand the equipment structure, safety operation and preventive maintenance of pre/ post processing of commonly used plastic products  2. Carry out pre/ post processing of plastic materials and products  • Analyse the product design requirements and the characteristics of product materials  • Select the appropriate pre/ post processing for plastic products  • In accordance with the requirements, safely perform preprocessing of plastic materials  • In accordance with the requirements, safely carry out post processing and packaging  • Arrange suitable tests for quality inspection, continuously improve the options and approaches of pre/ post processing of plastic products  • Control the environment of pre/ post processing of plastic products  • Determine and manage the performance and life of machinery and equipment, preventively maintain machinery and equipment and carry out troubleshooting  3. Professional handling of pre/ post processing of plastic materials and products  • 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  * Capable to set an appropriable pre/ post processing of products and apply on production in accordance with requirements  • Capable to set an appropriable pre/ post processing for product evaluation	Level	3
1. Understand relevant knowledge of pre/ post processing of plastic materials and products  Understand the usage, methods and techniques of the commonly used plastics before processing, such as drying and hydroscopic treatment  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  Understand the characteristics and applications of the equipment of pre/ post processing of commonly used plastic products  Understand the equipment structure, safety operation and preventive maintenance of pre/ post processing of commonly used plastic products  Carry out pre/ post processing of plastic materials and products  Analyse the product design requirements and the characteristics of product materials select the appropriate pre/ post processing for plastic products  In accordance with the requirements, safely perform preprocessing of plastic materials in accordance with the requirements, safely carry out post processing and packaging  Arrange suitable tests for quality inspection, continuously improve the options and approaches of pre/ post processing of plastic products  Control the environment of pre/ post processing of plastic products  Determine and manage the performance and life of machinery and equipment, preventively maintain machinery and equipment and carry out troubleshooting  Professional handling of pre/ post processing of plastic materials and products  Follow safety guidelines and related codes of practice, in accordance with the requirements of technologies and techniques, product specifications and products  Follow safety duidelines and related codes of practice, in accordance with the requirements of technologies and techniques, product specifications and products  The integrated outcome requirements of this unit of competency are:  Capable to set an appropriable pre/ post processing of products and apply on production in accordance with requirements  Capable to set the qu	Credit	6 (For Reference Only)
processing, such as drying and hydroscopic treatment  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  Understand the characteristics and applications of the equipment of pre/ post processing of commonly used plastic products  Understand the equipment structure, safety operation and preventive maintenance of pre/ post processing of commonly used plastic products  Carry out pre/ post processing of plastic materials and products  Analyse the product design requirements and the characteristics of product materials select the appropriate pre/ post processing for plastic products  In accordance with the requirements, safely perform preprocessing of plastic materials In accordance with the requirements, safely carry out post processing and packaging  Arrange suitable tests for quality inspection, continuously improve the options and approaches of pre/ post processing of plastic products  Control the environment of pre/ post processing of plastic products  Determine and manage the performance and life of machinery and equipment, preventively maintain machinery and equipment and carry out troubleshooting  Professional handling of pre/ post processing of plastic materials and products  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  The integrated outcome requirements of this unit of competency are:  Capable to set an appropriable pre/ post processing of products and apply on production in accordance with requirements  Capable to set the quality standard of pre/ post processing for product evaluation	Competency	1. Understand relevant knowledge of pre/ post processing of plastic materials and products
<ul> <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> <li>Professional handling of pre/ post processing of plastic materials and products</li> <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> Assessment Criteria <ul> <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>		<ul> <li>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>
requirements of technologies and techniques, product specifications and production efficiency, carry out pre/ post processing of plastic materials and products  Assessment Criteria  Capable to set an appropriable pre/ post processing of products and apply on production in accordance with requirements  Capable to set the quality standard of pre/ post processing for product evaluation		<ul> <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>
<ul> <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>		requirements of technologies and techniques, product specifications and production
<ul> <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>	Assessment Criteria	The integrated outcome requirements of this unit of competency are:
Remark		in accordance with requirements
	Remark	