

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

Functional Area - Product Manufacturing

Title	Preventive maintenance of tooling
Code	106412L3
Range	This unit of competency is applicable to the production department of the corporation of tooling manufacturing industry. Practitioners should be capable to understand the knowledge of preventive maintenance of tooling and maintain tooling.
Level	3
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Understand the knowledge of preventive maintenance of tooling <ul style="list-style-type: none"> • Understand tooling preventive maintenance items and periods, such as maintenance of tooling components (i.e. cavity / core) and punching parts (i.e. punch, die), tooling ejector system, tooling inventory, and die bottom / () • Understand the key parts which are consumptive and needed frequently checking and replacing of different injection moulding, metal stamping and casting and other tooling • Understand the maintenance items, methods and eligibility criteria in the table of tooling maintenance • Recognise tooling drawings, understand each structure of the tooling parts, list out wearing parts and make preparations in advance 2. Carry out preventive maintenance of tooling <ul style="list-style-type: none"> • Focusly track and inspect the important parts of pre/ post tooling production, such as thimble, guide posts, and sliders • According to the application frequency and time of tooling, carry out preventive maintenance for tooling, maintain tooling in the production of state, such as the dry the waterways, remove the chips and impurities, smear Lubricate on the moving parts and smear anti-Run rust oil on the slides • Select the right equipment, materials, tools, and carry out simple and general maintenance • Replace the tooling parts and verify that replaced parts meet the requirements and consistent with the drawings • Identify the tooling state and the suitability for production 3. Professional handling of preventive maintenance of tooling <ul style="list-style-type: none"> • Follow tooling preventive maintenance safety guidelines and codes of practice, in accordance with the design drawings, specifications and maintenance requirements, carry out preventive maintenance of tooling
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to carry out preventive maintenance of tooling in accordance with the maintenance items in the table of tooling maintenance • Capable to identify the tooling state and the suitability for production
Remark	