

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

Functional Area - Product Manufacturing

Title	Mould fitting and adjustment
Code	106515L4
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 tooling fitting and adjustment, so as to carry out all kinds of tooling fitting and adjustment
Level	4
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Understand the techniques and technologies of tooling fitting and adjustment <ul style="list-style-type: none"> • Understand the methods and techniques of tooling fitting and adjustment • Understand the interrelationship of all components • Understand the standard of mould assembly, fitting precision and repair principles • Understand the types, specifications, applications and operating methods of relevant tools and equipment of tooling fitting and adjustment • Understand the spotting method of manual and mechanical aids of spotting machine 2. Carry out tooling fitting and adjustment <ul style="list-style-type: none"> • Read the structural drawing, assembly drawings, part diagrams, and analyse the sequence of the fitting in accordance with the content and instructions of the drawings • Identify the key features and precision requirements of tooling and carry out appropriate fitting and adjustment methods • Select and operate suitable tools and equipment for tooling fitting and adjustment, such as spotting machine • Carry out appropriate adjustment after tooling fitting, so as to achieve smooth production condition • Identify and systematically analyse common problems of tooling fitting and adjustment and make improvements • Apply Engineering Blue to carry out detection of mould 3. Professional handling of tooling fitting and adjustment <ul style="list-style-type: none"> • Follow safety guidelines and related codes of practice of all kinds of tooling fitting and adjustment, in accordance with the requirements of design drawings, specifications and production efficiency, carry out tooling fitting and adjustment
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to read the structural drawing, assembly drawings, part diagrams and identify the key features and precision requirements of tooling • Capable to analyse the sequence of the fitting in accordance with the content and instructions of the drawings, and carry out appropriate tooling fitting and adjustment
Remark	Person who has the above knowledge and ability should also obtain the knowledge and ability of Benchwork(106410L3), Foundation computer numerical control/ (CNC) milling and cutting (106402L3), Foundation computer numerical control (CNC) turning processing (106403L3) and Surface grinding (106406L3) at the same time