

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

Functional Area - Product Manufacturing

Title	Operate electroplating equipment for production
Code	106378L2
Range	This unit of competency is applicable to the production department of metal electroplating corporations. Practitioners should be capable to understand the relevant knowledge of metal electroplating equipment, so as to carry out electroplating
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand relevant knowledge of operating metal electroplating equipment and processing</p> <ul style="list-style-type: none"> • Understand the types and applications of commonly used metal electroplating chemicals • Understand the types, structures, working mechanism, specifications, applications and operation methods of the relevant equipment and hanging fixture for metal electroplating. • Understand processing methods and skills of metal electroplating. • Know the common defects of metal electroplating, such as pin hole, underplating and blister. <p>2. Carry out metal electroplating</p> <ul style="list-style-type: none"> • Identify the specifications of metal electroplating chemicals correctly. • Use each device of metal electroplating equipment correctly, such as safety and control devices. • Follow instruction to carry out electroplating processing • Identify if metal electroplating process is normal • Identify if there is any visual defect on the material before electroplating • Report the problems occurred during metal electroplating processing to supervisor • Carry out simple preventive maintenance for metal electroplating equipment under supervision <p>3. Professional handling of operating metal electroplating equipment and processing</p> <ul style="list-style-type: none"> • Follow safety guidelines and relevant regulations, and follow instruction to carry out metal electroplating
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to follow instruction to operate metal electroplating equipment, and also carry out all kinds of metal electroplating • Capable to report the problems occurred during metal electroplating to supervisor
Remark	