

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

Functional Area - Product Manufacturing

Title	Operate metal extrusion equipment for production
Code	106377L2
Range	This unit of competency is applicable to the production department of metal extrusion products manufacturing corporations. Practitioners should be capable to understand the relevant knowledge of metal extrusion equipment, so as to carry out metal extrusion.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Understand relevant knowledge of operating metal extrusion equipment and processing <ul style="list-style-type: none"> • Understand types and grades of common material used in metal extrusion industry • Understand the types, structures, working mechanism, specifications, applications and operation methods of the relevant equipment and devices for metal extrusion • Understand processing methods and skills of metal extrusion. • Know the common defects of metal extrusion processing, including surface lines, shrinkage, porosity and cracks etc. 2. Carry out metal extrusion <ul style="list-style-type: none"> • Identify the specifications of metal extrusion materials correctly • Use each device of metal extrusion equipment correctly, such as safety and control devices • Follow instructions to carry out extrusion processing • Identify if tooling are correctly installed • Report the problems occurred during metal extrusion processing to supervisor • Carry out simple repair after metal extrusion processing, such as deburring • Carry out simple preventive maintenance for metal extrusion equipment under supervision 3. Professional handling of operating metal extrusion equipment and processing <ul style="list-style-type: none"> • Follow safety guidelines and relevant regulations, and follow instruction to carry out metal extrusion
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 extrusion equipment, and also carry out all kinds of metal extrusion • Capable to report the problems occurred during metal extrusion to supervisor.
Remark	