

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

Functional Area - Product Manufacturing

Title	Sheet metal progressive and transfer stamping
Code	106417L3
Range	This unit of competency is applicable to the production department of the corporation of metal stamping manufacturing industry. Practitioners should be capable to understand the knowledge of sheet metal progressive and transfer stamping, so as to carry out the processing of sheet metal progressive and transfer stamping and solve production problems.
Level	3
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand the technologies and techniques of sheet metal progressive and transfer stamping</p> <ul style="list-style-type: none"> • Understand the Principles, applications, methods and techniques of sheet metal progressive and transfer stamping • Understand the performance of tooling of sheet metal progressive and transfer stamping • Understand the applications of sheet metal progressive and transfer stamping machines and the setting of parameters of stamping machine, including the nominal pressure, slide stroke and shut height • Understand the characteristics of sheet metal material, such as physical performance, chemical performance and mechanical performance • Understand relevant equipment of sheet metal progressive and transfer stamping, such as the structure, working principle, specifications, applications and operating methods of G-type precision stamping machines, high-speed stamping machines and transfer stamping machines • Understand the commonly used lubrication methods of the sheet metal materials during the process of progressive and transfer stamping • Understand all kinds of commonly used auxiliary equipment of sheet metal progressive and transfer stamping, including feeder, rewinding machine, testing equipment, conveyor belts, flat, a lateral transfer robot, and multi-axis robot <p>2. Carry out sheet metal progressive and transfer stamping</p> <ul style="list-style-type: none"> • Able to operate and base on the output, product shape, precision, materials, tooling size etc to select the right stamping machines and auxiliary equipment for metal progressive and transfer stamping • Effectively assemble, disassemble and correct the tooling of metal progressive and transfer stamping in all stations of the stamping machines • Carry out simple adjustments, maintenance and repair of metal progressive and transfer stamping • Identify and systematically analyse the common quality problems and causes of sheet metal progressive and transfer stamping products and improve them <p>3. Professional handling of sheet metal progressive and transfer stamping</p> <ul style="list-style-type: none"> • Follow safety guidelines and related codes of practice, in accordance with product specifications and production efficiency requirements of sheet metal progressive and transfer stamping
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to carry out sheet metal progressive and transfer stamping in accordance with the drawing and requirements of technologies and techniques, and solve production problems

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	<ul style="list-style-type: none">• Capable to independently operate the commonly used auxiliary equipment of sheet metal progressive and transfer stamping and carry out simple daily maintenance.
Remark	