

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

Functional Area - Product Manufacturing

Title	Secondary processing on metal stamping and sheet metal parts
Code	106418L3
Range	This unit of competency is applicable to the production department of the corporation of metal stamping and sheet metal product manufacturing industry. Practitioners should be capable understand the knowledge of secondary operations on sheet metal parts, so as to carry out secondary operations on sheet metal parts and solve production problems.
Level	3
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Understand the technologies and techniques of secondary operations on metal stamping and sheet metal parts <ul style="list-style-type: none"> • Understand the principles and applications of secondary operations on metal stamping and sheet metal parts, including welding, tapping, rivets, surface cleanness and degreasing cleaning • Understand the methods, techniques and processing parameters of secondary operations on metal stamping and sheet metal parts • Understand the common product defects of metal stamping and sheet metal parts, including poor threading after tapping, loose rivets and sand hole after welding • Recognise the types, structures, working principles, specifications, applications and operating methods of the relevant equipment of secondary operations on metal stamping and sheet metal parts, 2. Carry out secondary operations on metal stamping and sheet metal parts <ul style="list-style-type: none"> • Select right equipment and auxiliary fixtures to carry out secondary operations on metal stamping and sheet metal parts • Adjust, control and optimise the secondary operations parameters, such as tapping speed, welding electric current, polishing speed and volume, so as to reach the standards of product quality and production efficiency • Determine whether the products are suitable for secondary operation • Identify and systematically analyse the common quality problems of secondary operations on metal stamping and sheet metal parts and improve them 3. Professional handling of secondary operations on metal stamping and sheet metal parts <ul style="list-style-type: none"> • Follow safety guidelines and related codes of practice, in accordance with product specifications and production efficiency requirements of secondary operations on metal stamping and sheet metal parts
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to carry out secondary operations on metal stamping and sheet metal parts in accordance with the drawing and requirements of technologies and techniques, and solve production problems • Capable to independently operate the commonly used auxiliary equipment of secondary operations on metal stamping and sheet metal parts and carry out simple daily maintenance.
Remark	