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

Functional Area - Product Manufacturing

Title	Operate spraying equipment for production
Code	106379L2
Range	This unit of competency is applicable to the production department of metal spraying corporations. Practitioners should be capable to understand the relevant knowledge of metal spraying equipment, so as to carry out metal spraying.
Level	2
Credit	3 （For Reference Only）
Competency	Performance Requirements 1. Understand relevant knowledge of operating spraying equipment and processing • Understand the types and applications of common paint • Understand the types, structures, working mechanism, specifications, applications and operation methods of the relevant equipment and hanging fixtures for metal spraying • Understand processing methods and skills of spraying. • Understand the common defects of spraying, such as dust/ lint, orange wrinkles peel structure and uneven colour 2. Carry out spraying • Identify the specifications of coating paint correctly. • Use each device of spraying paint equipment correctly, such as safety and control devices. • Follow instruction to carry out electroplating • Identify if there is any visual defect on the material before spraying • Identify if spraying process normal • Report the problems occurred during spraying to supervisor • Carry out simple repair for spraying workpiece, such as deburring • Carry out simple preventive maintenance of spraying equipment under supervision. 3. Professional operating spraying equipment and processing • Follow safety guidelines and relevant regulations, and follow instructions to carry out spraying
Assessment Criteria	The integrated outcome requirements of this unit of competency are: • Capable to follow instructions and operate coating equipment, and carry out all kinds of spraying. • Capable to report the problems occurred during spraying to supervisor.
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