

## Assessment Requirements

### Unit PO01K – Knowledge of Tools and Equipment Used in Vehicle Refinishing

#### Content

##### Equipment used in Vehicle Refinishing

- a Flattening block
- b Sponge
- c Squeegee
- d Chamois leather
- e Trimming knife
- f Polishing mop
- g Denibbing blocks
- h Sealer gun
- i Air duster
- j Rotary sander
- k DA random orbital sander
- l Orbital flat bed sander
- m Belt sander
- n Vacuum extraction sander
- o Specialist extraction for aluminium particles (explosive)
- p Suction feed spray gun
- q Gravity feed spray gun
- r Pressure feed spray gun
- s HVLP spray guns
- t Identify spray gun cleaning machines

##### Workshop equipment

- a. Combi-booth
- b. Separate oven
- c. Infra-red drying
- d. Compressor
- e. Main air line
- f. Transformer/regulator
- g. Water traps
- h. Flexible air and fluid hoses
- i. Pressure gauges
- j. Automatic paper/tape dispenser
- k. Plastic sheeting dispenser
- l. Complete car covers dispenser
- m. Wheel covers dispenser
- n. Viscosity measuring equipment
- o. Paint mixing schemes
- p. Air feed breathing equipment
- q. Smart scales

##### Paint Gun Cleaning and Maintenance

- a. Loading
- b. Cleaning cycle
- c. Coagulant (water-based paints only)
- d. Filtration of solids

- a. Partial strip of paint spaying gun
- b. Complete strip of paint spraying gun
- c. Washer cycle
- d. Blow through
- e. Re-assembly
- f. Lubrication

**Main parts of a Spray gun:**

- a. Trigger
- b. Body
- c. Packing gland
- d. Air valve
- e. Fluid needle
- f. Fluid tip (nozzle)
- g. Air cap
- h. Paint volume control
- i. Fan width control
- j. Material cup
- k. Filters

**Compressed air systems:**

- a. tank drainage
- b. ring drainage
- c. regular maintenance and service logs
- d. air quality checks (breathable air)
- e. Air filter/cartridge changes (breathable air)