

071605T4MCT

MECHATRONICS TECHNOLOGY LEVEL 5

ENG/OS/MC/CR/02/5/A

Maintain Electromechanical Systems

Nov/Dec 2024



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION  
COUNCIL (TVET CDACC)**

**PRACTICAL ASSESSMENT**

**Time: 3 HOURS**

**INSTRUCTIONS TO CANDIDATE**

1. You are required to perform the following tasks on the DLFA-DCD03 Mechatronic sorting unit.

**Task 1: Diagnose system faults**

- i. Study the machine manual and understand the basic operation of the machine
- ii. Troubleshoot electromechanical faults

**Task 2: Service and repair the system**

- i. Service and/or repair electrical system faults
- ii. Service and/or repair mechanical system faults

**Task 3: Test and operate the system**

- i. Test electromechanical system after service/repair.

2. You are provided with the following resources for the tasks.

- i. DLFA-DCD03 Mechatronic sorting unit
- ii. DLFA-DCD03 manual
- iii. Set of screwdrivers
- iv. Set of Allen keys
- v. Set of spanners
- vi. 13A Fuses
- vii. Phase tester
- viii. Digital Multimeter