# Identify Electrical Components

The aim of this course is to provide learners with an understanding of the hazards associated with electricity, and of basic electrical components on injection, extrusion blow- or stretch blow-moulding equipment. Learners will also gain knowledge regarding the reading of electrical diagrams and symbols.

- ✓ WORKING SAFELY WITH ELECTRICITY
- ✓ VOLTAGE, CURRENT AND RESISTANCE
- ✓ DIRECT AND ALTERNATING CURRENT
- ✓ ELECTRICAL MEASURING INSTRUMENTS
- ✓ ELECTRICAL SENSORS AND COMPONENTS

At the end of this course learners will be able to:

- Understand the principles of electricity
- Understand hazards associated with electricity
- Understand lock-out procedures
- Understand voltage, current and resistance
- Understand the use of Ohm's Law in calculating voltage, resistance and current
- Understand direct or alternating current
- Understand basic AC/DC motor theory
- Demonstrate basic knowledge of electrical test instruments
- Understand the operation of different types of sensors
- List and explain the various electrical components
- Understand common causes of wear to electrical components
- Read and interpret basic diagrams and symbols
- Understand the basics of the PLC control system

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