



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Automated Container Filling And Capping Equipment Operation Training

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 110005 · NQF Level 2 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to operate automated container filling and capping equipment safely and efficiently. It covers machine setup, monitoring, troubleshooting, and quality control to ensure consistent production output.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	110005
Accreditation	SAQA Accredited · NQF Level 2 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the correct procedures for setting up and starting automated container filling and capping equipment.
- Apply safety protocols and operational checks to ensure safe equipment operation.
- Monitor production parameters and adjust machine settings to maintain product quality.
- Identify and troubleshoot common equipment faults to minimise downtime.
- Perform routine cleaning and basic maintenance tasks in line with standard operating procedures.
- Evaluate output quality by inspecting filled and capped containers against specifications.

WHO SHOULD ATTEND

- This course is intended for machine operators, production line technicians, and maintenance staff working in manufacturing environments where automated filling and capping equipment is used.

COURSE OUTLINE

Day 1: Introduction to Container Filling and Capping Equipment

- Overview of automated filling and capping systems.
- Types of containers, closures, and product characteristics.
- Basic components: conveyors, fillers, cappers, sensors.
- Safety regulations and lockout/tagout procedures.
- Introduction to SOPs and quality documentation.
- Hygiene and good manufacturing practices (GMP).

Day 2: Equipment Setup and Calibration

- Pre-start checks: power, air supply, conveyor alignment.
- Filling nozzle adjustment and volume calibration.
- Capping head setup and torque adjustment.
- Changeover procedures for container and closure types.
- Use of measuring instruments: graduated cylinders, torque meters.
- Recording calibration data in logs.

Day 3: Operation and Monitoring of Filling and Capping Processes

- Starting and stopping the production line.
- Monitoring fill levels, capping torque, and line speed.
- Quality checks: weight checks, visual inspection, torque tests.
- Troubleshooting common issues: jams, spillage, cap rejection.
- Adjusting parameters during production.
- Data collection and shift reports.

Day 4: Maintenance, Cleaning, and Troubleshooting

- Cleaning procedures: CIP (clean-in-place) and manual cleaning.
- Lubrication of moving parts and replacement of wear items.
- Identifying worn seals, belts, and sensors.
- Basic electrical troubleshooting: sensors, actuators, PLC indicators.
- Using manufacturer manuals and fault codes.
- Maintenance logs and shift handover.

Day 5: Quality Assurance, Continuous Improvement, and Assessment

- Statistical process control (SPC) basics: control charts.
- Root cause analysis for defects and downtime.
- Waste reduction: minimizing product loss and reject caps.
- Standard work and visual management.
- Review of SOPs and best practices.
- Final assessment: practical operation and written test.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **8 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 23,000.00	R 23,000.00
1	In-House	R 29,900.00	R 29,900.00
1	On-Campus (Pretoria)	R 34,500.00	R 34,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Mauritius
03 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	14 Aug 2026	On-Campus	Mauritius
10 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 110005) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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