



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

Paper Board Tissue Product Wrapping Manufacturing Skills Training

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 110034 · NQF Level 2 · 10 Credits · 7 Days

COURSE OVERVIEW

This course equips learners with the specialised skills required to manufacture paper board and tissue product wrapping materials in a manufacturing environment. Participants will gain hands-on knowledge of production processes, quality control, and safety protocols specific to the paper and tissue wrapping industry.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	110034
Accreditation	SAQA Accredited · NQF Level 2 · 10 Credits
Duration	7 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the ability to set up and operate wrapping machinery for paper board and tissue products according to standard operating procedures.
- Apply quality control measures to inspect finished wrapping products for defects and ensure compliance with specifications.
- Analyze production data to identify inefficiencies and recommend process improvements.
- Implement safety protocols and personal protective equipment (PPE) requirements in the wrapping production area.
- Evaluate raw material quality and handle materials correctly to minimise waste.
- Design a basic production schedule for wrapping manufacturing to meet output targets.

WHO SHOULD ATTEND

- This course is designed for production operators, machine setters, and manufacturing team members involved in paper board and tissue product wrapping production within the packaging or tissue manufacturing sectors.

COURSE OUTLINE

Day 1: Introduction to Paper Board Tissue Product Wrapping

- Overview of paper board tissue product manufacturing.
- Types of tissue products and their wrapping requirements.
- Introduction to wrapping materials: films, papers, adhesives.
- Basic wrapping machinery: overwrappers, bundlers, shrink tunnels.
- Quality specifications for wrapped products.
- Workplace safety and hygiene in wrapping areas.
- Environmental considerations and waste management.
- Industry standards and regulatory compliance.

Day 2: Wrapping Materials and Their Properties

- Polyethylene and polypropylene films: characteristics and uses.
- Paper-based wraps: kraft, waxed, and laminated papers.
- Adhesives: hot melt, cold glue, and pressure-sensitive tapes.
- Material specifications: thickness, strength, sealability.
- Storage conditions: temperature, humidity, shelf life.
- Material inspection and quality checks.
- Environmental and sustainability aspects of wrapping materials.
- Cost considerations and material optimization.

Day 3: Wrapping Machinery Operation and Setup

- Flow-wrapping machines: infeed, forming, sealing, discharge.
- Shrink wrapping systems: tunnels and sealers.
- Bundlers and case packers for multi-pack wrapping.
- Machine controls: HMI, PLC, sensors.
- Changeover procedures: size adjustments, material changes.
- Setting temperature, pressure, and speed parameters.
- Lubrication and routine maintenance points.
- Troubleshooting common mechanical issues.

Day 4: Quality Control and Troubleshooting in Wrapping

- Common defects: poor seals, wrinkles, tears, misregistration.
- Inspection techniques: visual, tactile, and automated systems.
- Measuring seal strength, film thickness, and package integrity.
- Process adjustments to correct defects.
- Statistical process control basics for wrapping.
- Root cause analysis of wrapping failures.
- Quality documentation and traceability.
- Continuous improvement methodologies (Kaizen, 5S).

Day 5: Advanced Wrapping Techniques and Automation

- High-speed wrapping systems: servo-driven, continuous motion.
- Vision systems for inspection and alignment.
- Robotic case packing and palletizing integration.
- Automated film splicing and material handling.
- Data collection and OEE (Overall Equipment Effectiveness).

- Lean tools: value stream mapping, waste elimination.
- Energy efficiency and sustainable wrapping practices.
- Industry 4.0 applications in wrapping.

Day 6: Maintenance and Safety for Wrapping Equipment

- Preventive maintenance schedules and checklists.
- Cleaning and lubrication of machine parts.
- Replacing wear components: belts, seals, blades.
- Electrical safety and lockout/tagout procedures.
- Risk assessment and hazard identification.
- Personal protective equipment (PPE) requirements.
- Emergency stop systems and safety guards.
- Maintenance documentation and record keeping.

Day 7: Integration, Assessment, and Certification

- Review of key concepts from Days 1-6.
- Practical assessment: set up, operate, and troubleshoot wrapping line.
- Written examination covering theory and calculations.
- Feedback session and gap analysis.
- Certification criteria and process.
- Career pathways in tissue product manufacturing.
- Resources for further learning.
- Course evaluation and closing.

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 **10 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 28,200.00	R 28,200.00
1	In-House	R 36,700.00	R 36,700.00
1	On-Campus (Pretoria)	R 42,300.00	R 42,300.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	12 Aug 2026	On-Campus	Johannesburg, South Africa
05 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
06 Aug 2026	14 Aug 2026	On-Campus	Mauritius
07 Aug 2026	17 Aug 2026	On-Campus	Pretoria, South Africa
07 Aug 2026	17 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	18 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	18 Aug 2026	On-Campus	Mauritius
11 Aug 2026	19 Aug 2026	On-Campus	Pretoria, 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 110034) 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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