



Accredited Africa Training Institute for Capacity Development

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

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Drum Debarker Operation For Log Processing Training

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 110035 · NQF Level 3 · 10 Credits · 7 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to operate a drum debarker safely and efficiently in a log processing environment. It covers pre-operation checks, operational procedures, and post-operation shutdown, ensuring compliance with industry standards and safety regulations.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	110035
Accreditation	SAQA Accredited · NQF Level 3 · 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 conduct pre-operation inspections and identify potential hazards.
- Apply correct starting, operating, and shutdown procedures for a drum debarker.
- Monitor debarker performance and adjust feed rates and settings to optimize output.
- Implement safety protocols and respond appropriately to emergency situations.
- Evaluate debarker operation to ensure compliance with quality and production standards.
- Perform routine maintenance checks and report operational faults or deviations.

WHO SHOULD ATTEND

- This training is designed for machine operators, forestry workers, and production staff involved in log processing who require competency in drum debarker operation.

COURSE OUTLINE

Day 1: Introduction to Drum Debarker Operation and Log Processing

- Overview of log processing and debarking methods
- Types of drum debarkers (single-drum, double-drum, etc.)
- Main components: drum, drive system, infeed and outfeed conveyors, bark discharge
- Safety regulations and PPE requirements
- Operational principles: rotation speed, retention time, friction
- Basic maintenance concepts and housekeeping

Day 2: Pre-Operational Checks and Start-Up Procedures

- Pre-start inspection checklist: lubrication, belt tension, guards, sensors
- Start-up sequence: electrical isolation, conveyor activation, drum rotation
- Emergency stop systems and testing
- Lock-out/tag-out procedures for maintenance
- Common issues: misalignment, worn components, blockages

Day 3: Operating the Drum Debarker – Normal Production

- Feed control: conveyor speed, log size and moisture effects
- Drum speed adjustment and its impact on debarking efficiency
- Monitoring bark quality: visual inspection, sensors
- Optimising retention time for different wood species
- Handling oversize logs and blockages
- Production logging and shift reporting

Day 4: Troubleshooting and Problem Solving

- Common problems: drum overload, belt slippage, bearing overheating
- Troubleshooting methodology: observe, analyse, correct, verify
- Clearing blockages safely (reverse rotation, manual removal)
- Adjusting parameters to improve debarking quality
- When to escalate to maintenance
- Documentation of faults and actions taken

Day 5: Shutdown Procedures and Basic Maintenance

- Shutdown sequence: reduce feed, stop drum, conveyors, lock-out
- Cleaning: bark removal, debris clearance, wash-down
- Lubrication points and schedules
- Visual inspection: drum flights, liners, drive components
- Reporting wear and tear for planned maintenance
- Housekeeping standards and safety after shutdown

Day 6: Quality Control and Optimisation

- Quality standards: acceptable bark residual, wood damage
- Measuring bark content: visual, sampling, electronic sensors
- Optimisation trade-offs: speed vs. retention vs. wear
- Adjusting for different log species and conditions
- Data collection for key performance indicators
- Continuous improvement: operator feedback loops

Day 7: Integration, Assessment, and Certification

- Review of all days: safety, operation, troubleshooting, maintenance
- Written assessment covering theory and procedures
- Practical assessment: start-up, operation, shutdown, fault handling
- Feedback and improvement plan
- Certification requirements and SAQA credits
- Career progression: advanced operator, supervisor, trainer

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 3**.

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	Pretoria, South Africa
04 Aug 2026	12 Aug 2026	On-Campus	Lagos, Nigeria
05 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
06 Aug 2026	14 Aug 2026	On-Campus	Johannesburg, South Africa
07 Aug 2026	17 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	18 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	19 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	20 Aug 2026	On-Campus	Mauritius

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 110035) 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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