



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

Rod Maker Cut Off Unit Overhaul Maintenance Procedures Training

Agriculture and Nature Conservation / Secondary Agriculture

Unit Standard 114080 · NQF Level 4 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips maintenance personnel with the skills to safely and effectively overhaul the cut-off unit of a rod maker machine. Participants will learn systematic disassembly, inspection, repair, and reassembly procedures to restore the unit to operational condition, minimizing downtime and ensuring compliance with safety standards.

Category	Agriculture and Nature Conservation
Subfield	Secondary Agriculture
Unit Standard	114080
Accreditation	SAQA Accredited · NQF Level 4 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply safety protocols and lockout/tagout procedures before commencing overhaul work.
- Demonstrate systematic disassembly of the cut-off unit, documenting component condition.
- Analyze wear patterns and component damage to determine repair or replacement needs.
- Evaluate reassembly procedures to ensure alignment, tolerances, and functional testing.
- Implement post-overhaul checks and commissioning steps to verify unit performance.

WHO SHOULD ATTEND

- This training is intended for maintenance technicians, mechanical fitters, and millwrights responsible for the overhaul and maintenance of rod maker cut-off units in manufacturing environments.

COURSE OUTLINE

Day 1: Introduction to Rod Maker Cut Off Unit and Safety

- Overview of Rod Maker Cut Off Unit and its role in production
- Key components: cutting head, feed system, clamping mechanism, control panel
- Safety regulations: lockout/tagout, PPE, emergency stops
- Reading and interpreting technical manuals and schematics
- Principles of cutting: blade types, speeds, feeds
- Common wear indicators and failure modes
- Introduction to maintenance schedules and records

Day 2: Disassembly, Inspection, and Diagnostics

- Lockout/tagout procedure for cut off unit
- Step-by-step disassembly of cutting head and feed system
- Inspection of blades, bearings, seals, and guides
- Hydraulic and pneumatic system checks: pressures, leaks, cylinder condition
- Electrical diagnostics: sensors, limit switches, motor condition
- Precision measurement: using micrometers, dial indicators, calipers
- Recording inspection data and identifying replacement parts
- Troubleshooting common issues: misalignment, vibration, inconsistent cuts

Day 3: Overhaul, Reassembly, and Testing

- Component replacement: blades, bearings, seals, wear strips
- Reassembly sequence: aligning cutting head, feed mechanism, clamping
- Torque specifications and fastener tightening patterns
- Adjusting blade clearance, feed rate, and clamping pressure
- Functional testing: cycle test, cut quality check, safety interlocks
- Fine-tuning using diagnostic feedback
- Completing maintenance logs and work orders
- Final safety check and handover procedures

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 **6 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,900.00	R 17,900.00
1	In-House	R 23,300.00	R 23,300.00
1	On-Campus (Pretoria)	R 26,800.00	R 26,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	12 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	13 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	13 Aug 2026	On-Campus	Mauritius
12 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	19 Aug 2026	On-Campus	Shenzhen, China
17 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 114080) 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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