



African Milling School



Impact of Education

Innovations for a better world.



African Milling School

Impact of Education – Challenges and Opportunities



- Population: Africa approx 1.2 billion
MEA approx. 1.65 billion
- Population growth: Average 1.9% - 2.3 %
- GDP growth: 4.9 % - 6.1 %
- Countries: Africa 53
MEA 78
- Processed grain: 310 mio tons p. a.



➔ Challenge: Missing skills!

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- **Our vision:** To be the know-how centre in grain processing for MEA.
- **Our mission:** Transfer Skills!
- **Our objective:** Reach Operational Milling Excellence!



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Location of African Milling School

- Kenya, the heart of Africa!
- Buhler own set-up
- SAS of Buhler East Africa (BNAI), HQ of NEA
- Local service station for roll fluting with spare parts store



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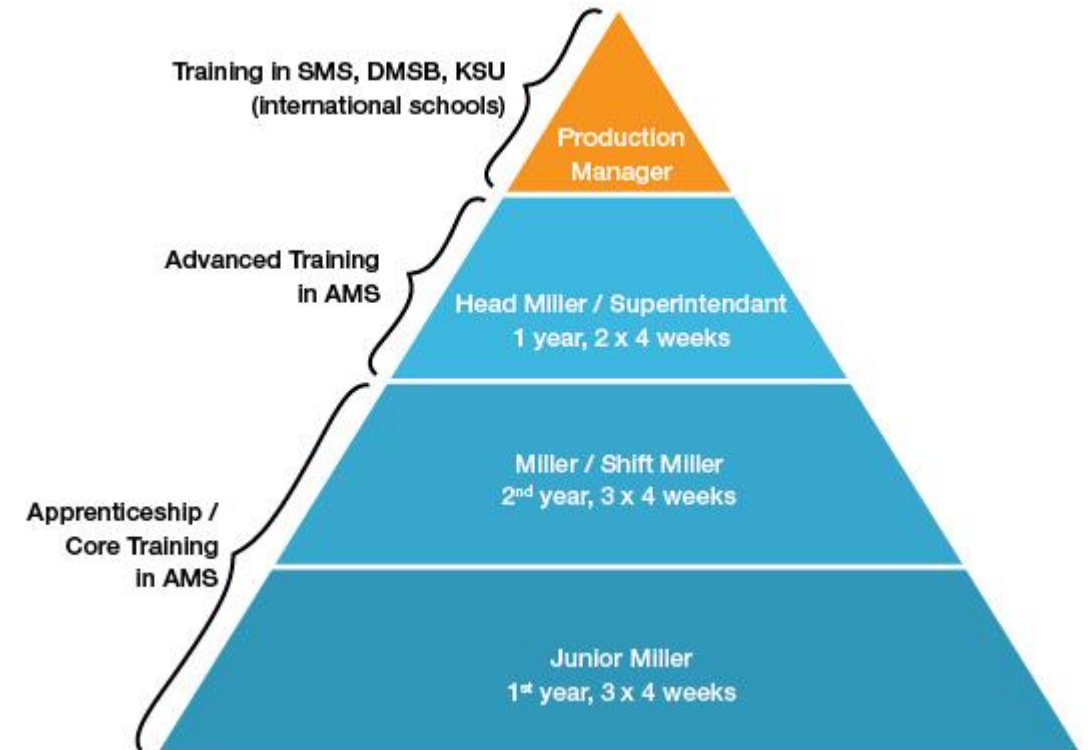
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African Milling School (AMS) Course Syllabus

Training offerings:

- Apprenticeship Program for Miller
 - Two years dual milling vocational program
- Advanced Training for Head miller
 - One year dual training
- Expert Courses for experienced staff
 - Short courses and personalized courses



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Millers Apprenticeship Program



Apprentice millers in the classroom

Theoretical sessions in:

- Milling technology
- Machine design & functionality
- Operational health & safety
- Plant engineering
- QC and baking technology



African Milling School School Mill



State of the art school mill

- Intake and cleaning
- Combined wheat and maize mill
- Finished product handling and packing
- Pelletizing plant for bran and feed
- SORTEX for coffee and feed
- Coffee roaster



African Milling School Millers Apprenticeship Program



Apprentice millers in the mill

- Practical sessions on calibration and machine adjustments



African Milling School Millers Apprenticeship Program



Apprentice millers in the mill

- Practical session on mill operation



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Millers Apprenticeship Program



Quality control in the lab

- Analysis of raw material for:
 - Moisture
 - Impurities
 - Density weight
 - Protein
 - Falling Number.



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Millers Apprenticeship Program



Quality control in the lab

- Rheological tests with Farinograph and Extensograph.
- Baking tests with mixer and oven.



African Milling School Millers Apprenticeship Program



- Apprentice millers
- Class 3 (2017/18)



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Short Courses



Short courses for:

- Mechanical maintenance
- Electrical maintenance
- Baking technology
- Feed milling
- SORTEX
- Milling for Executives



Developing Africa

Impact of Education – Leadership



Achievements: The 3C

- **C**ompetence
- **C**onfidence
- **C**ommitment



Developing Africa

Impact of Education – Passion



- Performance always comes from the passion and not from the pressure.
 - Love what you do and do what you love.
- ➔ Be passionate.

