TAAT e-catalog for private sector

Flour Milling and Blending Systems for Wheat, Sorghum and Millet

INSTITUTE FOR THE SEMI-ARID TROPICS

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Produce a premium wheat, sorghum and millet flour close to production areas

This technology comprises milling and blending systems that enable the production of premium flour products in both rural and urban areas. Different milling systems are available, meeting industry standards.



This technology is **TAAT1 validated**

Cost: \$\$\$ 3,500 USD

For small flour mill machine with a capacity of 300 -

500 kg flour per hour



7/9; level of use: 7/9



(ROI: \$\$\$) 12—15 %

increase in milling yield

38,000 USD

80-82 %

18-20 %



Base price for a fully automatic flour mill with a capacity of 30 ton flour per day

maximal recovery of flour

maximal recovery of bran

Open source / open access

Problem

- · The traditional grinding and cooking of millet and sorghum grains are associated with significant time, energy burden, and labor intensity.
- Transport and cost issues arise in the distribution of raw grain to rural consumers.
- A lack of value addition to raw grain for products sold in urban markets and food processing.

Solution

- The milling and blending systems automate the process, saving time, energy, and labor.
- They reduce the necessity to transport raw grain over long distances, lowering costs for rural
- The flour processing adds value to raw grain.

Technology from

ProPAS

Commodities

Sorghum/Millet, Wheat

Sustainable Development Goals





Categories

Transformation, Equipment, Agrifood processing

Best used with

 Millet and Sorghum Varieties for Better Nutrition and Stress Resistance >

Tested/adopted in



Where it can be used

This technology can be used in the colored

agro-ecological zones



Key points to design your business plan

To use this technology, consider:

- Costs include around 3,500 USD for a small manual mill
- Approximately 38,000 USD for a fully automatic mill with a 30-ton daily capacity.
- Training on safety and quality is important, and key partners involve agro dealers or manufacturers.
- Estimating profit is crucial for implementation.

Gender assessment



Climate impact





Flour Milling and Blending Systems for Wheat, Sorghum and Millet https://e-catalogs.taat-africa.org/com/technologies/flour-milling-and-blending-systems-for-wheatsorghum-and-millet

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