

# Flour Milling and Blending Systems for Wheat, Sorghum and Millet



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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**.
  7·7
 Scaling readiness: idea maturity 7/9; level of use 7/9

Gender assessment 4

Climate impact 3

### 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 consumers.
- 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 >](#)

Cost: \$\$\$ **3,500 USD**
ROI: \$\$\$ **12–15 %**

For small flour mill machine with a capacity of 300 - 500 kg flour per hour increase in milling yield

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**38,000 USD** **80–82 %** **18–20 %**  IP

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

Tested/adopted in

■ Tested & adopted  
■ Adopted  
■ Tested  
■ Testing ongoing

Where it can be used

This technology can be used in the colored agro-ecological zones.



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<https://e-catalogs.taatafrica.org/org/technologies/flour-milling-and-blending-systems-for-wheat-sorghum-and-millet>

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