

# Pneumatic Cassava Dryers

Low-cost mechanized drying of cassava using Flash Dryers

This technology promote the flash dryers which has the shortest residence time of drying, the most economical and widely used drying system for solids that have been dewatered or inherently have low moisture content. Thus, it's suitability for the production of starch, high-quality cassava flour (HQCF) and powdered fufu.



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✓ This technology is **TAAT1 validated**.

8•8



Scaling readiness: idea maturity 8/9; level of use 8/9

Inclusion assessment **4**

Climate impact **5**

## Problem

- The challenge of efficient and cost-effective of dryers.
- Heat-sensitive materials
- High residence times of dryers.

## Solution

- The Flash dryers have proven to be the most economical.
- They enable the production of starch, high-quality cassava flour (HQCF), and powdered fufu efficiently.
- This technology successfully addresses the challenges by providing a system that ensures a shorter residence time for drying and high drying rates.

Technology from

ProPAS

Commodities

Cassava

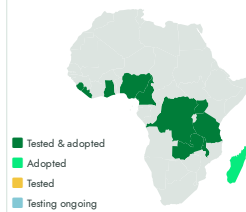
Sustainable Development Goals



Categories

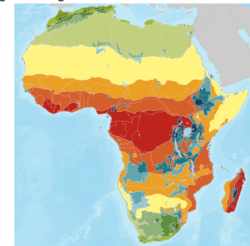
Postharvest, Equipment, Agrifood processing

Tested/adopted in



Where it can be used

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



Target groups

Processors

## Key points to design your program

Mechanized Drying of Cassava using Flash Dryers (Pneumatic Dryers) can be integrated into cassava value chain, agribusiness, food security, and rural industrialization programs to reduce drying time, post-harvest losses, and processing costs while improving product quality and income generation. Its adoption contributes to SDGs 1, 2, 8, and 9.

To integrate this technology into your project, plan and budget for the following activities and prerequisites:

- Facilitate access to pneumatic dryers and processing infrastructure.
- Build partnerships with IITA, processors, cooperatives, fabricators, extension services, and private sector actors.
- Train processors on dryer operation, maintenance, hygiene, and quality management.
- Promote women's and youth participation in cassava processing enterprises.
- Monitor processing capacity, product quality, post-harvest losses, income growth, and job creation.



Open source / open access



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<https://taat.africa/szp>

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