

# Mobile Cassava Processing Plant

Transforming Cassava, Mobile Processing for Sustainable Agriculture

The MCPP is a mobile unit equipped with machinery for processing cassava into products like high-quality cassava cake, wet fufu, and gari. It features a flatbed workspace formed by opening the back sides and tailgate, with standard operating procedures for specific products.



**IITA**  
Transforming African Agriculture

**International Institute of Tropical Agriculture (IITA)**  
Adebayo Abass



This technology is **TAAT1 validated**.

6•6



Scaling readiness: idea maturity 6/9; level of use 6/9

Gender assessment



Climate impact



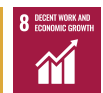
Technology from

ProPAS

Commodities

Cassava

Sustainable Development Goals



Categories

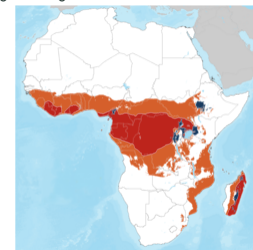
Transformation, Equipment,  
Agri-food processing

Tested/adopted in



Where it can be used

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



Target groups

Processors

## Problem

- Limited market access for cassava farmers in rural areas due to inaccessible rural roads
- High risk of postharvest losses and transportation costs due to cassava's perishability and bulkiness
- Lack of necessary infrastructure (electricity, water, etc.) and labor in rural areas to attract investments in processing factories
- Inconsistent and inadequate supply of cassava roots for processors

## Solution

- The MCPP is most useful for processing factory owners to process cassava at farm-gate into non-perishable semi-processed products that are 20-50% of the weight of fresh roots.
- The less bulky semi-processed products are transported from the farms at lower transportation cost to city-based factories for final drying and packaging at a competitive price and higher profitability.

## Key points to design your project

The Mobile Cassava Processing Plant (MCPP) offers an innovative solution for cassava processing. To integrate the MCPP into your project, follow these steps:

- Promote the technology through community demonstrations to raise awareness.
- Assess project requirements to determine MCPP size and configuration.
- Consider logistical factors like delivery costs and import duties.
- Engage trainers for comprehensive equipment operation and maintenance training.
- Develop communication materials to educate stakeholders on MCPP benefits.

Cost: \$\$\$ **40000—48500**

USD

Cost of a mobile processing factory

ROI: \$\$\$ **156 %**

Gari production

**52900 USD**

Startup Capital (gari production)

**49386 USD**

Startup capital (high-quality cassava cake)

**155 %**

ROI (high-quality cassava cake)



Open source / open access



**Mobile Cassava Processing Plant**

<https://taat.africa/nmc>

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