



Enabling poor rural people
to overcome poverty

CassavaTech.com

An online marketplace for cassava processing equipment

Part of the IFAD funded project “Increasing the Performance of the
Cassava Industry in West and Central Africa (IPCI)”

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Natural Resources Institute

The IPCI project

‘Improving performance of the cassava industry in West and Central Africa’

- Goal: “to enhance the performance of IFAD-funded national root and tuber crops projects.”
- Funded by: The **International Fund for Agricultural Development (IFAD)**
- Implemented by a consortium led by **the Natural Resources Institute (NRI)**, UK, and including the **Federal University of Agriculture, Abeokuta (FUNAAB)**, Nigeria, The **Netherlands Development Organisation (SNV)** and **Embrapa**, Brazil.
- Workpackages include:
 - **Capacity development** for IFAD projects: expert advice, market studies, training events
 - **Knowledgebase of successful technologies** and best practice interventions: pilot testing and case studies of innovations, public private partnerships
 - **Support to private sector** creating demand for smallholder produced cassava; cassava processors and fabricators forum, develop interactive equipment database
 - Create **knowledge management hub**; collate outputs from activities in website, cassava innovation fairs

Specification of information platform

Audience:



Content:

Focused; related to cassava processing exclusively

Up-to-date; elimination of outdated information

Capacity-building; supports buyers in assessment of equipment

Platform:

Trusted; moderated to eliminate false, irrelevant or misleading content

Accessible; anyone can use the site and post content

Sustainable; generates sufficient funds to cover operating costs

Scan of online information sources

- Cassava businesses – especially fabricators – not strongly represented online
- Difficult to find trustworthy & up-to-date information online regarding cassava processing & equipment sourcing
- Cassava processing is too niche for existing marketplaces to fully cater to
- Widespread interest in cassava processing as a business – potential for a large audience
- A third-party moderated platform could fill a niche for providing market transparency as well as reliable advice

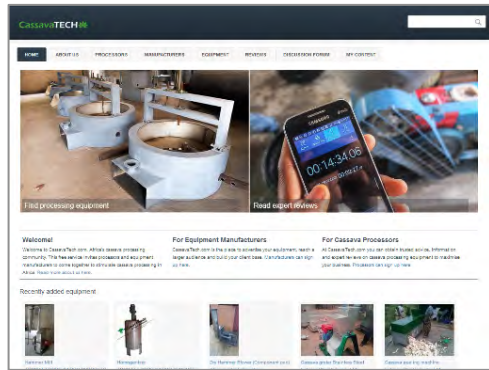
Stakeholder perspectives

- Current marketing mainly via word-of-mouth
- Processors are typically aware of several fabricators in their immediate surroundings and foreign equipment online
- Small-scale manufacturers don't have resources to set up website
- Third-party moderated platform could discourage users from posting false information
- Processors (especially owners) are willing to provide reviews online
- Technical information regarding set-up and running of cassava processing line difficult to find online

Our approach

www.cassavatech.com

CassavaTech.com overview



CassavaTech.com

- Based on open source Drupal 7 CMS
- Responsive; optimised for pc & mobile

Fabricators

- Create company profile
- Add equipment

Processors

- Find manufacturers & equipment
- Comment on & rate equipment
- Read equipment reviews
- Create company profile

Experts

- Write equipment reviews
- Provide tips & techniques
- Contribute learning content

Site moderators

- Screen content
- Monitor user behaviour
- Remove off-topic & misleading content
- Block abusive users

Fulfilling our criteria

Content

- **Focused on cassava** – exclusively content related to cassava processing
- **Up-to-date** – users contribute & review content
- **Capacity building** – contribution of reviews (and other capacity-building content) by expert authors

Platform

- **Trusted** – moderated by unbiased, knowledgeable third party; FUNAAB
- **Accessible** – open to anyone to register; actively promoted, responsive design
- **Sustainable** – low operating costs due to user-generated content & use of Drupal CMS

Inherent challenges



- Relies on users to contribute information
- Potential for high moderation costs
- Ensuring quality of information

Promoting CassavaTech.com on Facebook

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Running a cassava processing business? Find cassava processing equipment, market your products & learn from experts on cassavatech.com. Hosted by Federal University Agriculture Abeokuta, Nigeria & NRI, UK.

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Monday Idoko and 165 others
21 comments · 23 shares

Like Comment Share

Facebook ad campaign

Location: **Lagos state, Ogun state, Oyo state, Osun state**

Interests: **Cassava, agribusiness, agricultural machinery, food processing**

Reach: **95,305 people**

New site visitors: **> 6,333**

What's next?

- Refinements to usability of platform
- Follow-up Facebook ad campaign
- Hosting & moderation by FUNAAB
- Open to other contributors of cassava-related content

Site Demonstration

www.cassavatech.com



Find processing equipment



Read expert reviews

Welcome!

Welcome to CassavaTech.com, Africa's cassava processing community. This free service invites processors and equipment manufacturers to come together to stimulate cassava processing in Africa. [Read more about us here.](#)

For Equipment Manufacturers

CassavaTech.com is the place to advertise your equipment, reach a larger audience and build your client base. [Manufacturers can sign up here.](#)

For Cassava Processors

At CassavaTech.com you can obtain trusted advice, information and expert reviews on cassava processing equipment to maximise your business. [Processors can sign up here.](#)

Recently added equipment



Hammer Mill
 TOSMAT FOODS & AGRO PRODUCTS
 Oyo
 Nigeria



Homogenizer
 TOSMAT FOODS & AGRO PRODUCTS
 Oyo
 Nigeria



Dry Hammer Blower (Component part)
 Alayanmetal Fabrication
 Lagos
 Nigeria



Cassava grater Stainless Steel
 Fataroy Steel Industry Ltd
 Ibadan
 Nigeria



Cassava peeling machine
 Fataroy Steel Industry Ltd
 Ibadan
 Nigeria

Home >> My Content >> Test manufacturer

Test manufacturer

[View](#) [Edit](#)

Your profile information

[✎ Edit your profile](#)

User name: Test manufacturer
E-mail: Test.manufacturer@gmail.com
Profile type: Manufacturer
Profile created: 04/11/2017

Your company profile

[✎ Edit your company profile](#)

Company name: Test manufacturer
Logo: 
Description: Test manufacturer is a fictional equipment fabricator set up to demo the website.
Website: <http://www.testmanufacturer.com>
Email: Testmanufacturer@yahoo.com
Phone number: *Please add a phone number*
Address: Lagos, Nigeria

Your equipment

[+ Add equipment](#)



Home >> Node >> Add content >> Create Equipment

Create Equipment

Equipment name *

Manufacturer *

Type *

Price

₦ 200000

Pictures

[Show row weights](#)

File information

Operations



 cassava grater 3.jpg (45.62 KB)

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Files must be less than 128 MB.

Allowed file types: png gif jpg jpeg.

Images must be between 320x240 and 960x720 pixels.

Home >> Manufacturers



View on map

NIGERIA

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Tropical Engineers Ltd

tonyegba2000@yahoo.com

Ibadan

Nigeria

Lagos



Alayanmetal Fabrication

0803 332 3904

alayanmetal@alayanmetal.com

Home >> Manufacturers >> Nobex Tech Company Ltd



Nobex Tech Company Ltd

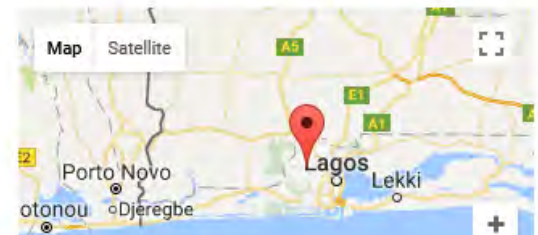


Nobex Technical Company Limited(RC:337157) is an engineering company based in Lagos, Nigeria. The Company was incorporated in the year 1998 and licensed as fabricator and designer of Agro-Allied/Food processing equipment. The company specialized in the design and fabrication of post harvest crops processing equipment like Multi Cassava processing, oil bearing Seed processing, Animal feed ,Drying, Cleaning and storage. In a nutshell, the company supplies machinery and complete factory equipment needed to convert almost every crop grown in Africa to human and animal feed .An order could vary from a small to multi million industrial processing plants. Our business is built on integrity ,ingenuity and total quality management Find us close to Nobex Bus stop on Ikotun - Idimu Road

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Home >> Equipment

Grinders and millers



Hammer Mill

TOSMAT FOODS &AGRO PRODUCTS

Oyo



Hammer mill

Deban Faith Agro Allied Ventures

Abeokuta

Extractors



Homogenizer

TOSMAT FOODS &AGRO PRODUCTS

Oyo

Adhesive reactors



Dry Hammer Blower (Component part)

Alayanmetal Fabrication

Lagos

Graters and chippers

[Home](#) >> [Equipment](#) >> Cassava Peeling Machine



Cassava peeling machine

Peelers

☆☆☆☆☆

Cassava peeling machine efficient 85% to 100% it depends on the shapes

Input capacity per hour: 800.00kg per hour

Output capacity per hour: 700.00kg per hour

Input capacity per batch: 3.00kg per batch

Energy source: Electricity
Diesel

Manufactured by:

Fataroy Steel Industry Ltd

Ibadan

Nigeria

+2348023346974

More from this manufacturer



[Home >> Reviews](#)

Sifters



S Adiss Gari Sifter

S Adiss Agricultural Engineering Ltd. - Ibadan - Nigeria

The machine is used to reduce wet pressed cassava cake to free flowing meal to enhance roasting; consists of three parts (vibrator, screening and collector units); It is eccentrically driven by a 3-phase 5.5 hp electric motor. The screen is about... [read more](#)

Reviewed by Dr Shittu - Federal University of Agriculture Abeokuta Nigeria



Fataroy Sifter

Fataroy Steel Industry Ltd - Ibadan - Nigeria

Used to reduce wet pressed cassava cake to free flowing meal to enhance roasting; consists of two parts (screening and collector units); can be operated manually or mechanically; mechanical sifter requires a vibrator to cause sifting [read more](#)

Reviewed by Dr Shittu - Federal University of Agriculture Abeokuta Nigeria



Starron Cassava Sifter

Starron Nigeria Ltd - Lagos - Nigeria

The equipment is meant to reduce pressed cassava cake (Moisture content less than 40%) to free flowing particulates to enhance subsequent processing operation like drying and roasting. The efficiency of sifting affects the particulate qualities... [read more](#)

Reviewed by Dr Shittu - Federal University of Agriculture Abeokuta Nigeria

Dryers



NijiLukas Flash Dryer

Niji Lukas Nigeria Ltd - Lagos - Nigeria

It is pneumatic drying system for converting wet cassava meal (<50% moisture content) to dry meal (<12% moisture). It has six basic components: the heat exchange unit, the feeder, the drying duct, the separator (cyclone), blower (fan), and... [read more](#)

Reviewed by Dr Shittu - Federal University of Agriculture Abeokuta Nigeria



Deban Faith Flash Dryer

Deban Faith Agro Allied Ventures - Abeokuta - Nigeria

A flash dryer is a pneumatic drying system for converting wet cassava meal (<50% moisture content) to dry meal (<12% moisture). It has six basic components: the heat exchange unit, the

[Home](#) >> [Reviews](#) >> Fataroy Mechanical Peeler

Fataroy Mechanical Peeler

Reviewed by: Dr Shittu

Date created: 14/12/2016

Review location: Fataroy Steel Industry workshop at Ibadan

Equipment manufacturer: Fataroy Steel Industry Ltd , Ibadan , Nigeria

Peelers

Description

The machine helps to remove the cassava peel from root as one of the earliest unit operation during cassava processing. It is designed to replace manual operation which often limits throughput of most commercial scale cassava processing.

It is driven by electric motor of 5 hp at 2600 rpm. Driving is actuated by double belt pulley system at fixed speed. The top loading peeling zone is encased in a mild steel box (150.9 by 50 by 38.5 cm). Peeling is done by abrasive mechanism. Root conveyance is enabled with a spiral shaft which helps to push root against abrasive walls along the peeling zone which is also slanted to further enhance root movement by gravity.



Technical specifications

Materials used:

Mild steel for the shaft, pulley system, casing and frames; stainless steel for the abrasive surfaces

Design and fabrication:

Simple design; enables separation of waste stream from product clearly; fabrication work is good; there is need for optimization of slant angle and noise level; welding and riveting were used for joining parts; strong frame, loading is apparently evenly distributed, suspension frame adequately coated to prevent corrosion due to wet operation;

Quality of output:

According to manufacturer it gives above 90% peeling efficiency; by visual inspection of output on site, it seems feasible

Safety:

No exposed wires; pulley/belt assembly encased to prevent accident due to sudden cut or touch by operator; the exhaust point from the diesel engine is low and requires channeling during installation to avoid air pollution during operation

Maintenance required:

Lubrication of moving parts; changing of belt; changing of abrasive plate

Spare parts: