Cassava Processing

An overview of the unique Alvan Blanch system for conversion of fresh cassava into fine flour for human consumption, or chips for animal feed (with option of pellets).
Contents

1.0 Products and Systems
2.0 Project Development
3.0 Cassava Processing Factory
In the specific field of cassava processing, established Alvan Blanch products such as - driers, grinders, pelleting presses etc have been augmented by specially designed machines to complete the process lines for: pellets, dry chips, flour, gari, starch and ethanol etc.

Alvan Blanch products and systems are manufactured to the highest standards for efficiency of operation, durability and long operating life.

- **Farm machinisation** - a wide range of machinery for land preparation (ploughs, harrows, ridgers), also planters and harvesters.
- **Peeling/washing/chipping** - of the cassava root for all processes.
- **Drying** - batch or continuous drying systems available for cassava chips.
- **Grinding/ pelleting** - converting dried chips into pellets for convenient exportation.
- **Grinding/sifting** - for cassava flour.
- **Grating/fermenting/pressing/defibration/crumbling/cooking** - for the complete gari production process.
- **Extracting/separating/dehumidifing** - for cassava starch production.
We have always attached a high level of importance to the provision of expert technical support to our clients. This starts right from enquiry stage, when our technical sales engineers establish the exact nature of a project’s requirements and use their experience to prepare a specific proposal to suit. After an order has been received, our project engineering department devise the detailed plant design and schedule of works. Supervision of installation, plant commissioning and training processes are usually performed on site by our own engineers.

Through exporting to over 100 countries worldwide, we have acquired a rare degree of understanding of the very diverse nature of our clients’ requirements. Our customer orientated approach means that wherever you are located, and whether you are looking for a harvester or drier for your own farm or a commercial process plant for pellets or starch, we have the technology, the expertise, and the commitment to ensure that our system is designed to meet your exact needs, with the performance and reliability upon which you can depend.
Inspection conveyor with central divider

Washer peeler

Inside washer barrel: brush with carborundum slats.
1. Cassava is grated coarsely onto press cloth
Cassava Processing Factory

Grater/chipper and hydraulic press (cont)

2. Layers of cassava are built up using cloths and wooden inserts.

3. Here is a finished batch of cassava ready for mechanical extraction/squeezing of liquid to reduce moisture content before drying.

4. The excess water and is squeezed from the grated cassava using hydraulics. (The starch is recovered – separated from the water in settling tanks).

5. Cassava, grated and squeezed down to 43% moisture content, ready for drying.
Cassava Processing Factory

**Crumbler**

**Continuous drier**

Conveyor Drier with stainless steel contact parts, fed by Belt Conveyor
Cassava Processing Factory

Milling, sifting & weighing

Hammermill

Sifter

Weigher

3.4
Optional equipment

- Pelleting Press
- Generator
- Solids/Liquids Separator
- Weighbridge
- Settling tanks for starch recovery from press water