Rotary Driers

- Highly efficient - low energy consumption
- A single machine - can be supplied for a range of different uses
- Can also act as a mixer - to add other ingredients to the material after drying

- Optimum conservation of nutritional properties - due to low temperatures used
- Convenient, automated operation - virtually maintenance free
**Electrical:**
The main motors are fitted with energy saving electrical inverters which provides excellent controllability and also optimizes the power usage against loading.

**Heat sources:**
Multiple heat sources can be used such as diesel or gas burners (natural, LPG, biogas), biomass, CHP (direct or indirect) hot water, steam, waste heat (low or high grade).

**Multiple drying zones and heat recovery:**
Each drier is equipped with the facility for multiple stage drying to ensure optimum efficiency for the particular product being dried. This means that different temperatures and airflows can be used in different drying zones or stages. Heat recovery can be incorporated to ensure that all added energy is used to its maximum potential.

**ENERGY EFFICIENCY**

**CONTINUOUS ROTARY DRIER**
These driers are suitable for a variety of applications for both heavy and light products. The internal configuration is different depending upon the products being dried. Each has a highly insulated drum to ensure minimal heat loss. They are designed to maintain a constant flow of product through the drier.

**How it works**

**BATCH ROTARY DRIER**
These driers are suitable for a variety of products, but are particularly suitable for very wet and dense products. The product to be dried is loaded in the drum where it is constantly recirculated until it is dry. The drier is mounted upon loadcells to monitor and control the drying process as it continues. In addition these driers can be used to sterilise the product using an internal steam manifold.
Some of the products the drier is capable of drying

<table>
<thead>
<tr>
<th>Bagasse</th>
<th>Paper Sludge</th>
<th>Barley</th>
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</thead>
<tbody>
<tr>
<td>Peas and Beans</td>
<td>Borage</td>
<td>Pellets</td>
</tr>
<tr>
<td>Bread Crumbs</td>
<td>Plastics</td>
<td>Chilli Peppers</td>
</tr>
<tr>
<td>Poppy Seeds</td>
<td>Cocoa Beans</td>
<td>Potato Peelings</td>
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<tr>
<td>Coffee Beans</td>
<td>Pyrethrum</td>
<td>Compost</td>
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<tr>
<td>Rape Seed</td>
<td>Cotton Seed</td>
<td>Rice</td>
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<tr>
<td>Evening Primrose</td>
<td>RDF</td>
<td>Glass</td>
</tr>
<tr>
<td>Sand</td>
<td>Grass</td>
<td>Saw Dust</td>
</tr>
<tr>
<td>Grass Seed</td>
<td>Seaweed</td>
<td>Herbs</td>
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<tr>
<td>Soya Beans</td>
<td>Limestone</td>
<td>Straw</td>
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<tr>
<td>Linseed</td>
<td>Sugar Beet Pulp</td>
<td>Maize</td>
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<tr>
<td>Sunflower</td>
<td>Malted Sorghum</td>
<td>Wheat</td>
</tr>
<tr>
<td>Minerals</td>
<td>Woodchip</td>
<td>MSW</td>
</tr>
<tr>
<td>Wood Shavings</td>
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</tbody>
</table>

Environmental impact

Flexible planning solutions
The standard drier is low profile designed for internal installation. New drier installations can blend unobtrusively with existing building profiles, often overcoming very tight planning constraints.

Low Noise
All fans have special low noise impellers (aerofoil bladed, backward curved centrifugal type). All noise is generated at low level and so on particularly sensitive sites, sound barriers can be erected.

Emissions
These driers all have low emissions with respect to dust, Nox, Sox, and VOC’s (level dependant upon the drying air temperature and product) Visible plumes can also be avoided by incorporating exhaust dehumidification with energy recovery.

Installation
All these driers are quick to install as they come in virtually one piece which reduces cost and the disruption of site works.

A Long track record for first class service
Of almost equal importance to the product itself is our approach to customer service, which has been continuously improved over the past 60 years. Our driers are totally designed and manufactured at our 9,000 m² factory. We guarantee ongoing parts availability for all driers. Our highly experienced area managers, all processing system specialists, are ready to prepare layout design proposals.

Confidential processing
Many specialist and confidential projects have been undertaken for a variety of clients. Please contact our special products division if you require this service.

Alternative driers
For applications and installations where different types of driers are required, then Alvan Blanch manufacture a range of alternative driers such as our leading DF and SPD ranges which utilise the unique louvered bed principle.

Multiple driers
For applications and installations where multiple driers are required they can be easily linked together to form a common unit, with a single feed system. Suitable for indoor or out door operation.

Warranty - as defined in our Conditions of Sale (available on request), covers parts and labour performed only by our own staff except where dealers have been specifically authorized to assist. To qualify for second-year warranty a chargeable drier service every 1000 hours of operation by Alvan Blanch or authorised agent.

In accordance with our policy of continuous development, we reserve the right to change specifications and prices at any time without notice or incurring liability to purchasers. All goods supplied according to our published terms and conditions of sale (copies on application).

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