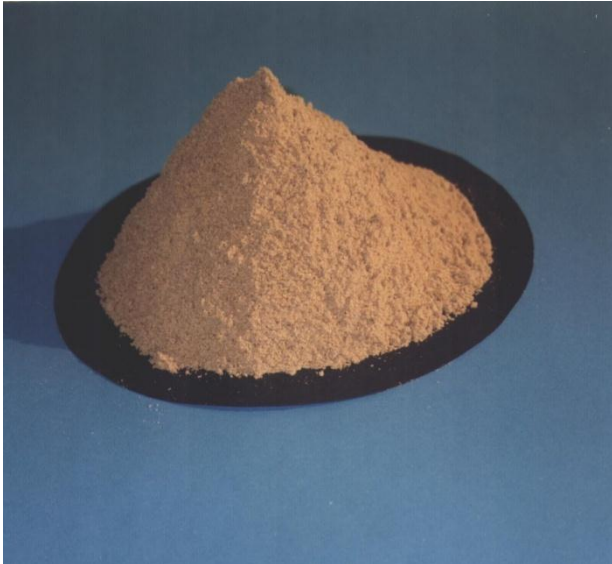


CONTINUOUS FEATHER PRESS



The **Rendertech** Continuous Feather Processing System (**CFPS**) is a continuous process suitable for raw material capacities above 3 t/hr. The system is based on the **Rendertech** Continuous Hydrolyser (**CFH**). The process produces high quality feather meal, is energy efficient, and requires a minimal labour to operate.

FEATURES

- Fully continuous
- Automated operation
- Low labour requirements.
- Consistent high quality feather meal
- Low steam consumption
- Low electrical power consumption
- Compact plant layout
- Low maintenance requirements
- Improved odour capture and control

PROCESS DESCRIPTION

Raw feathers are conveyed via a metal detector to the feed hopper of the Continuous **Hydrolyser**.

The feed hopper has a pressing section to expel free water hence reducing processing costs.

In the **Hydrolyser** the feathers are heated by steam injection and a heated jacket. The pressure/temperature is automatically controlled to optimise digestibility and protein level.

Following hydrolysis the feathers are continuously discharged and conveyed to the **Drier** via a pipeline. At the drier they are separated in a cyclone.

In the **Drier** the hydrolysed feathers are dried down to 8% moisture content.

Rendertech offer both Direct Fired Rotary and Steam Heated Disc driers for ethereal drying. Final selection depends on availability of fuels, site infrastructure and customer preference. Meal from the **Drier** is continuously discharged ready for milling and storage before despatch.

ANCILLIARY PLANT

Rendertech can provide ancillary equipment to suit the specific requirements of the site including raw material storage and conveying, meal handling and storage, steam generation, heat recovery, deodorising and wastewater treatment.

