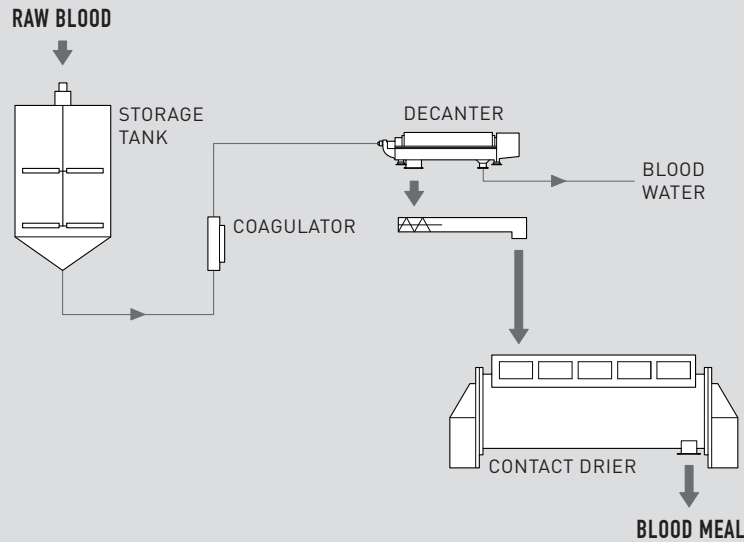


BLOOD PROCESSING SYSTEM



RENDETECH



The Rendertech Blood Processing System (BPS) is a continuous process for converting animal blood into a high-quality blood meal. The process is efficient, economical, and simple to operate, with the key piece of process equipment being the steam-heated Rendertech Contact Drier (CD).

FEATURES AND BENEFITS

A continuous, automated system that is simple to operate and maintain.

Lower energy requirements – the blood is steam-coagulated and then mechanically separated.

Compact design.

Produces high-quality blood meal with low environmental impact.

The enclosed system captures odours and dust.

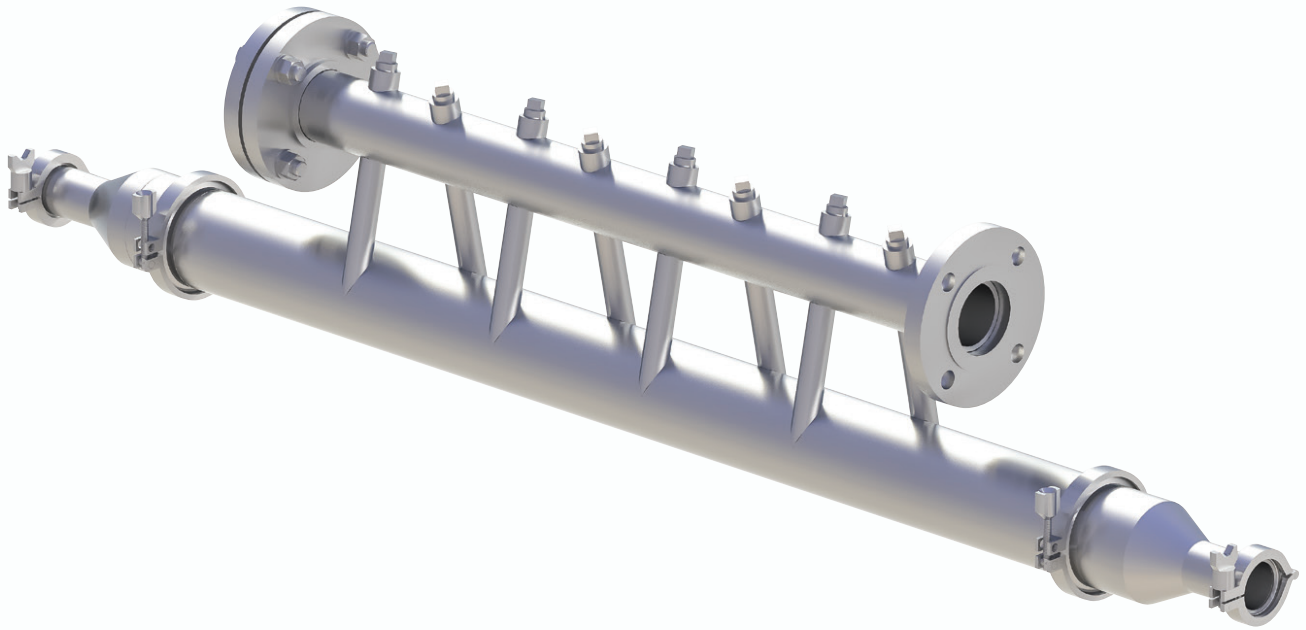
PROCESS DESCRIPTION

Coagulation

Raw blood is continuously pumped from the Storage Tank through the inline Coagulator, where the protein is coagulated by steam injection. After coagulation it flows to the Decanter.

Mechanical dewatering

In the Decanter, centrifugal force separates the water from the coagulum. The blood water is discharged for further processing and the coagulum – containing 55–60% moisture – is conveyed to the Contact Drier.



Drying

The coagulum is continuously fed to the Contact Drier (CD), where it is heated and the moisture evaporated through contact with steam-heated discs. The CD is fitted with a scrubber to recover fine blood dust from the vapour stream back into the product. The resulting dried meal is continuously discharged using the discharge screw conveyor.

The dried blood meal is milled by a Hammermill. The integral fan blows the milled meal into the meal bagging bin.

Ancillary equipment

Rendertech can provide ancillary equipment to suit the specific requirements of your site, including raw blood screening and storage, blood meal storage and bagging, steam generation, heat recovery, deodorising, and wastewater treatment.

OPTIONS

Complete systems available – from raw blood storage to blood meal bagging

Dust collectors for meal storage bins

Standard designs from 1 to 5 tonne/hr

Flexible layouts to suit available space

Complete turnkey installation

YOUR PROCESS PARTNER

We are specialists in process and storage solutions, providing the products and technical expertise to get the best from your plant. For more information call for a no obligation chat about your processing needs.

E enquiries@rendertech.co.nz
T +64 9 634 5375

Rendertech Ltd
8 Rakino Way, Mount Wellington
Auckland 1060, New Zealand
PO Box 12629, Penrose,
Auckland 1642, New Zealand

RENDETECH.CO.NZ