

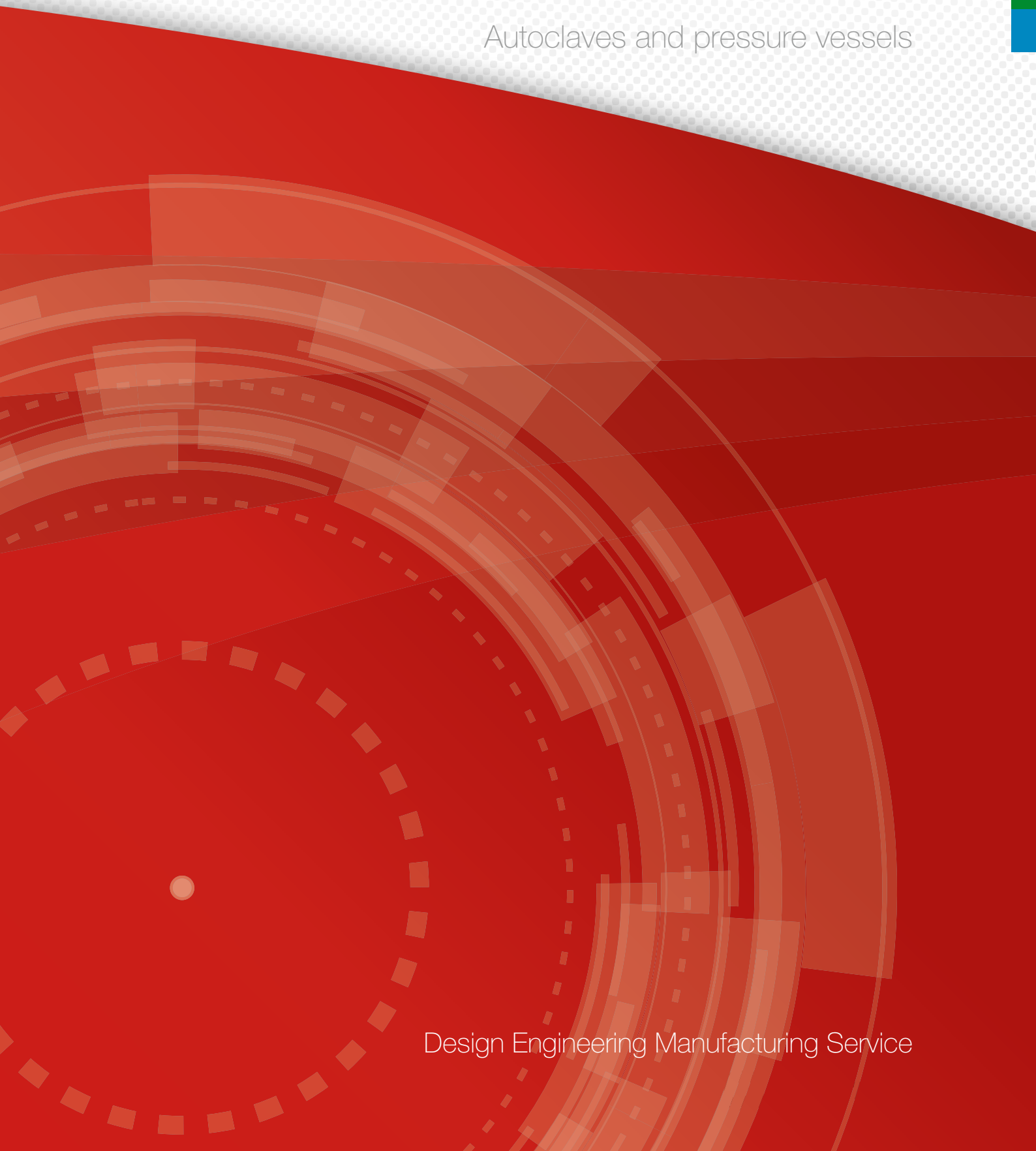


Waste shredders

Machines for fat and protein recovery

Palm oil extraction installations

Autoclaves and pressure vessels



Design Engineering Manufacturing Service



# POWERFULL EQUIPMENT



Specific problems demand specific solutions. RENTEC provides following technological solutions, installations and services to different industrial sectors:

**Waste shredders** **01 // RECYCLING**

**Machines for fat and protein recovery** **02 // RENDERING**

**Palm oil extraction installations** **03 // PALM OIL**

**Autoclaves and pressure vessels** **04 // MATERIAL TREATMENT**

RENTEC has a unique business philosophy. By pursuing **sustainable and reliable solutions**, we make sure that all our customers - whatever the sector they are in - are able to develop, optimize and increase their **productivity**. Terms such as quality, flexibility, long-term-investment, efficiency, personal assistance, low energy consumption and low operational costs are of central importance to this pursuit.

The **robust** construction of our installations guarantees a long lifetime, even under extreme working conditions.





# customized solutions



Pre-crusher animal by-products



Pre-treatment biowaste in anaerobic digestion plant



Heated agitating gear for steriliser

Every company faces complex technical challenges. This is why **customized solutions** are the standard for RENTEC. Together with you, we will determine your requirements. Design and product development are done in close consultation with you, until you get exactly what you need: the right machines aimed at product improvement and process optimisation.

RENTEC's approach is well thought-out. We listen, design, develop and improve. Once manufactured and assembled, every machine is tested extensively at our premises. Only when the highest quality standards are met, the manufactured items will be delivered to your site, where we also provide the final assembly, start-up and testing.

Throughout the project, we provide short communication with the same contact person. This works better, easier and quicker.

## CUSTOMER CARE

Customer care means more than state-of-the-art products and excellent service. RENTEC also pays attention to market evolutions: we constantly develop new machines, but as a manufacturer we also help our customers to adapt their installations to the changing process needs. Tell us what you would like. **Together we will find solutions that work.**



Heated storage bunker



On-site training operators



Final assembly in RENTEC plant





# 01 // RECYCLING



Human activity and consumption generates more and more waste, which puts a burden on our environment.

Every modern waste processing system requires one or more shredders. Our shredders condition and feed the waste to be processed in compliance with the requirements of the specific treatment process (landfill, incineration, composting, fermentation, sorting, ...).

Under the brand names RAPTOR, DINOSAURUS and TRIEX, RENTEC designs and builds stationary and mobile shredders which get their teeth into this waste.

The unique concept of the crushing table with replaceable wear parts in combination with the countless setting options of the PLC control allows users to shred material finely or coarsely by exchanging the combs.

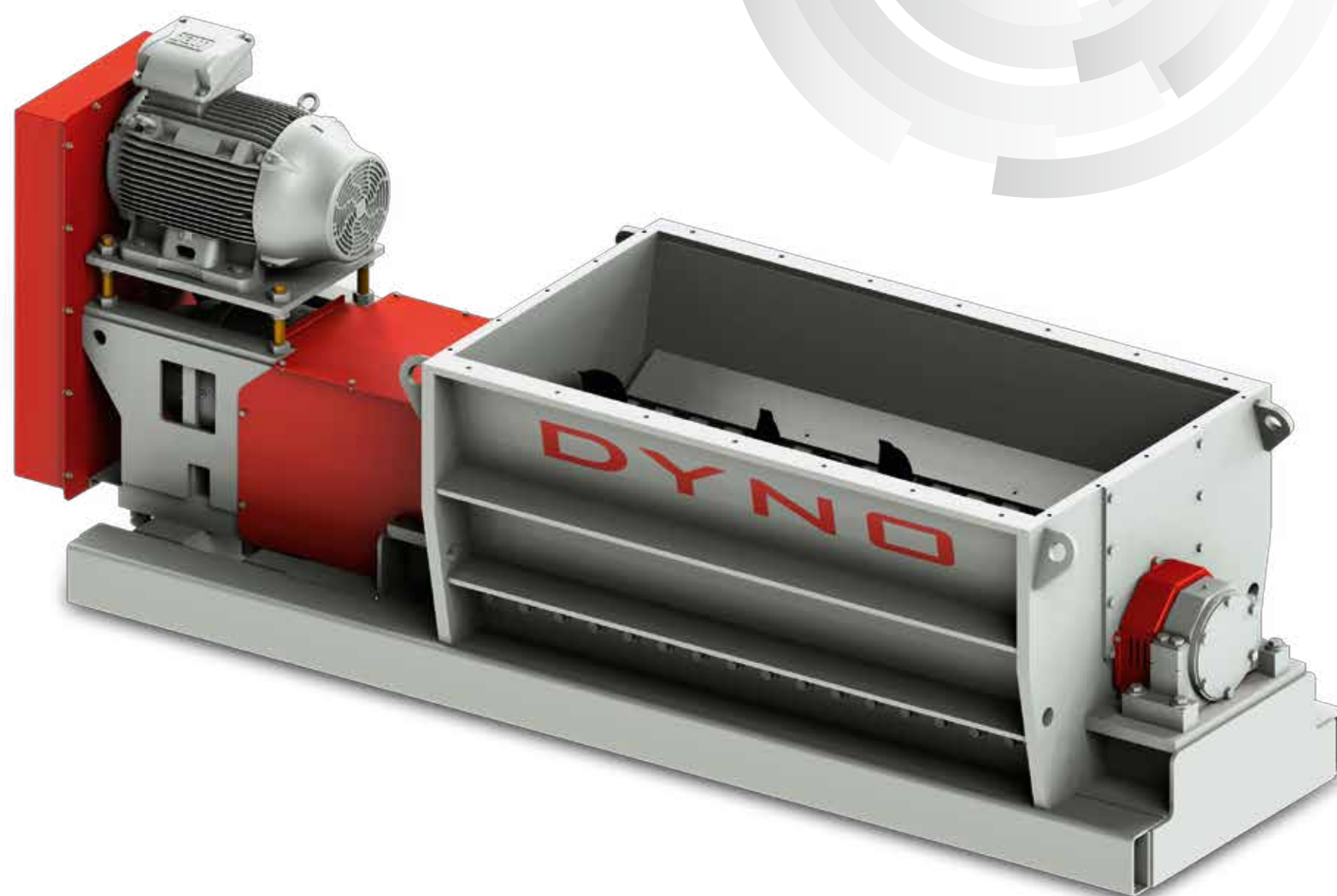
The heavy duty construction and powerful hydraulic drive guarantee a high availability and low, predictable running costs in the long term, even when used under extreme conditions.

Leading recycling companies across the world therefore choose RENTEC as supplier of their shredding technology.





## 02// RENDERING



Our food is produced by the agricultural and food industries. In the cultivation, processing and distribution of these food products, loss of production and residual products occur. Slaughterhouses and meat producers are confronted with an increasing challenge of valorising the waste streams of animal origin within a legal and ecological framework.

RENTEC has the know-how and proven competences to treat these residual products mechanically and thermally with environmentally friendly and energy saving technology. Thanks to RENTEC equipment, these residual products are converted into valuable raw materials such as meat meal and bone meal, animal fat and gelatin or alternative fuels.

For this purpose, we design and manufacture project-specific reception bunkers, buffer and mixing containers, transport screws, pre-crushers and calibration crushers, macerators, cookers, dryers, sterilizers and screw presses.

These machines find their way across the globe to waste disposal companies that:

- > produce gelatine
- > sterilize/hygenize organic residual flows for fermentation
- > melt animal fats
- > process animal by-products: bones, feathers, blood, ...
- > destroy animal carcasses





## 03// PALM OIL

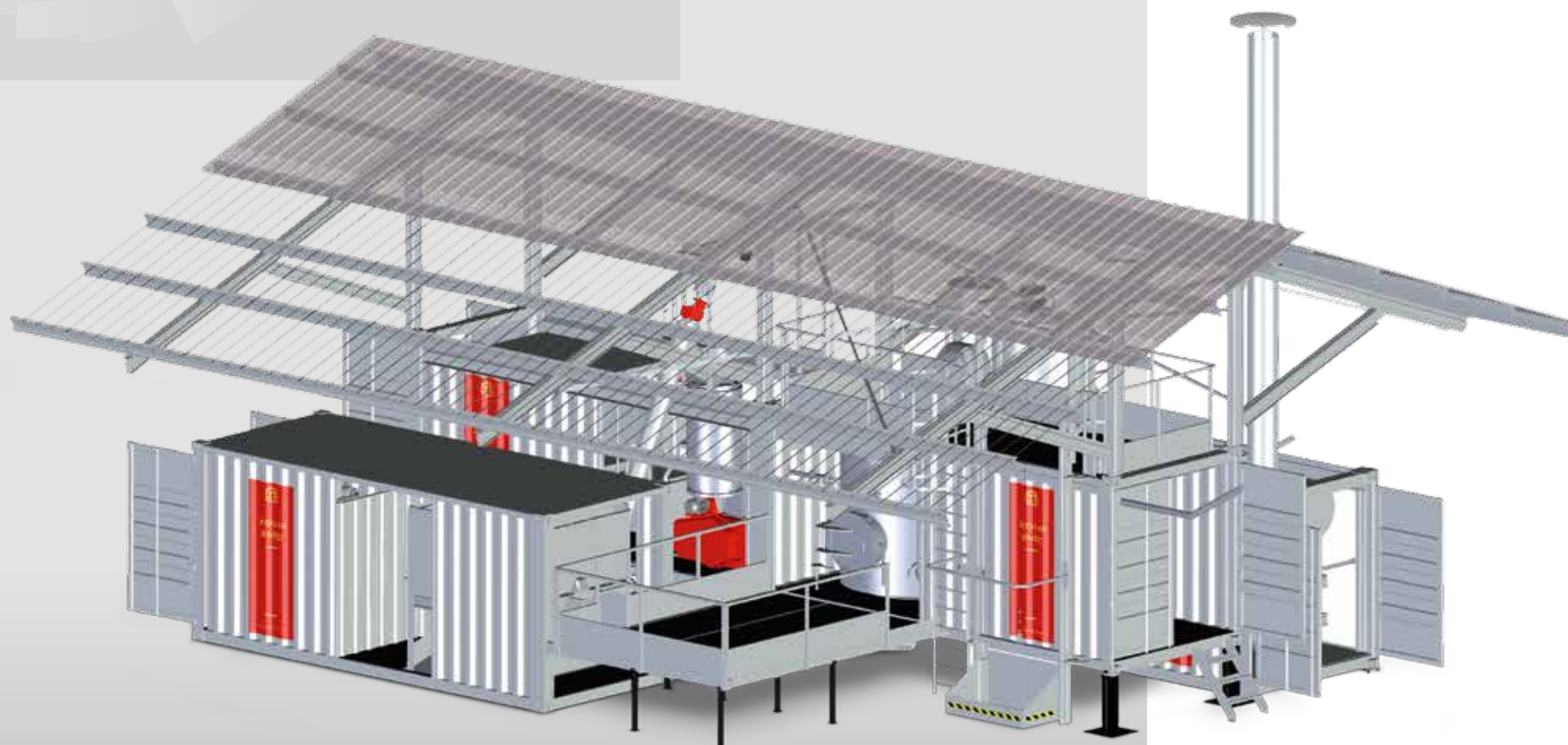
Of all oil plant seeds, the fruit of the palm tree produces the most oil per hectare. The red palm oil (CPO) is used in food, personal care products and as an alternative, renewable source of energy.

As a pioneer and sole European manufacturer, we have been providing palm oil extraction machines to small and medium sized plantation managers and palm oil producers in countries around the equator for decades.

Through a unique concept, in which a complete factory is pre-fabricated in container modules, RENTEC has developed a complete range of mini mills under the brand names PALMITO (0.2 T/h), RURAL (0.5 T/h) and MODULAR (1 T/h). Larger factories and individual machines are designed and built according to the specifications of the client.

Low investment, quick on-site implementation and reliable long lasting technology make these solutions cost effective for our customers in Africa, Latin America and Asia. These investments contribute to the economic and sustainable development of the regions involved.

Our permanent innovation and technical support lead to long-term relationships with our clients everywhere in the world.





04//

## MATERIAL TREATMENT



Under influence of pressure or temperature or the combination of both, the characteristics of products and materials change. For that purpose, they are placed into a sealable pressure drum, generally referred to as an autoclave.

The prescribed pressure and/or temperature in the autoclave is realised by using hot or cold liquids or gases. By means of our special pressure resisting quick closing door, the products and materials can easily be introduced into and removed out of the autoclave.



RENTEC builds autoclaves according to the requirements of clients or projects. Horizontal or vertical, in carbon steel or stainless steel, up to a diameter of 3.5 m.

Our autoclaves can be used in:

- > the glass industry when manufacturing layered safety glass
- > the rubber industry when vulcanising tyres, hoses, belts, ...
- > the car industry in the chemical treatment of fibre-reinforced plastics
- > the food industry when sterilising food
- > special applications



# Rentec @ your service worldwide

We believe in **long-term, close relationships**: since 1985, RENTEC has been providing high quality products and services to professional clients all over the world

You are dealing directly with the manufacturer and can therefore count on extremely competitive prices for the high quality you receive. Upon your request, your machine can be fully designed by our own engineering department. The machine will then be manufactured in our factory in Pittem, Belgium, where we have the most modern technology at our disposal. Our mechanics will assemble and set-up your machine on-site, guaranteeing an expert installation. Our project engineer takes care of the start-up and finally the training of your maintenance technicians and your operators. For telephone assistance, you will be helped by a service engineer who diagnoses possible faults and sends suitable technicians or spare parts to your site in the shortest delay.

Wherever you are, whatever business you operate in, we will come to you: for consultation, investigation, advice, installation, technical training and assistance.

**Because your satisfaction is our drive!**







Rentec n.v.  
Nijverheidsstraat 13  
8740 Pittem  
Belgium  
tel +32 51 46 75 51  
fax +32 51 46 75 85  
[www.rentec.be](http://www.rentec.be)  
[rentec@rentec.be](mailto:rentec@rentec.be)