



MODULAR

Turn-key palm oil mill



Turn-key palm oil mill for the extraction of red palm oil

MODULAR



Pressure sterilisation

RENTEC offers a full range of turn-key small-scale palm oil mills. The improved village type PALMITO and the semi-industrial RURAL both handle threshed fruit. The professional MODULAR mill treats complete fresh fruit bunches. Furthermore, we design and manufacture custom-built process equipment, full technological lines and complete medium-scale industrial mills.



From FFB...



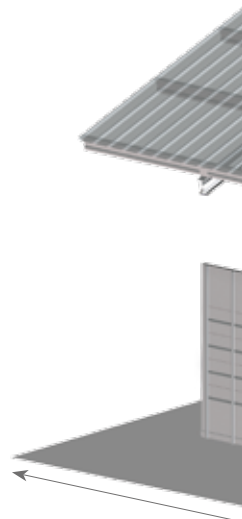
...to top grade CPO

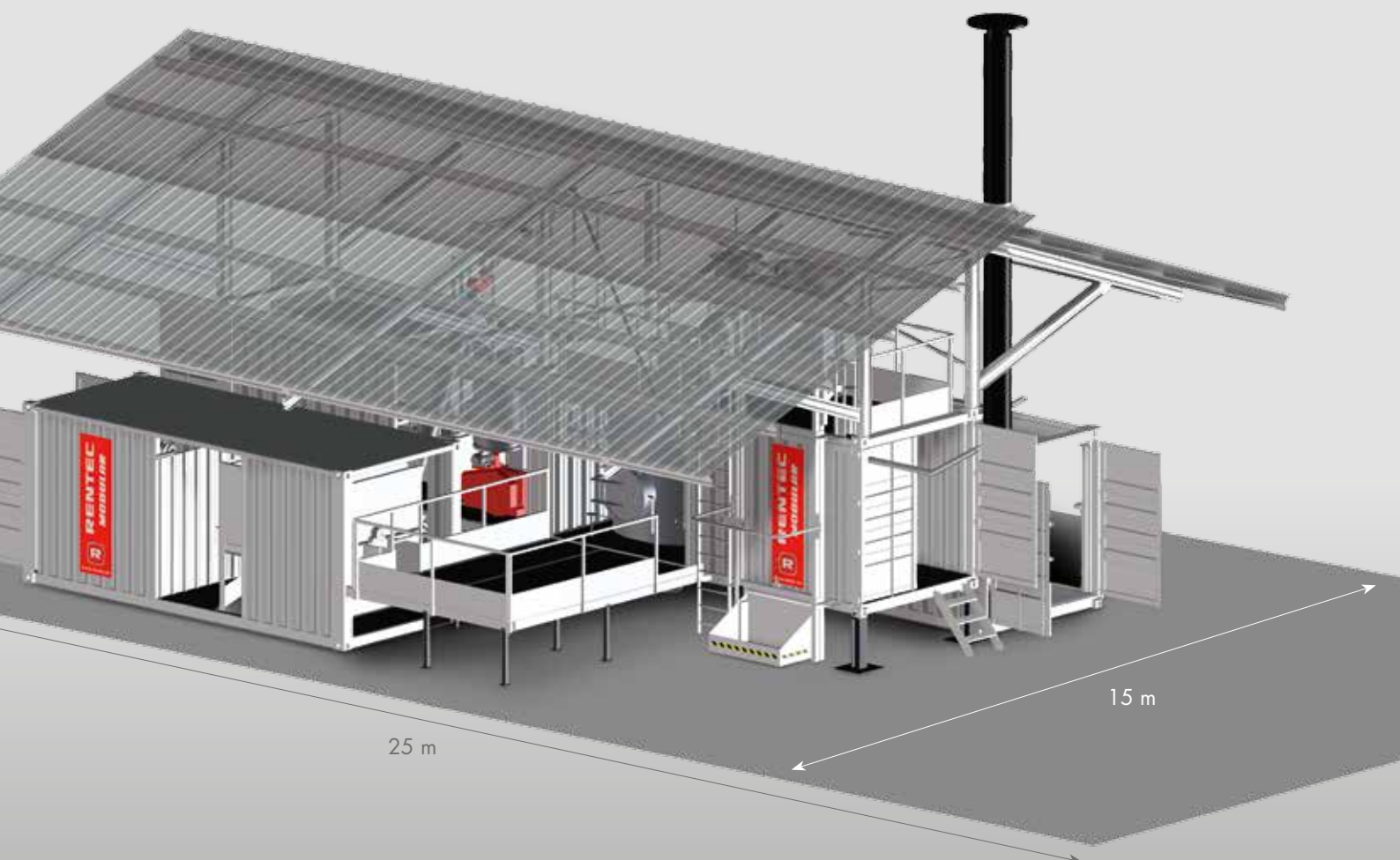
The MODULAR is a highly efficient palm oil mill producing top grade CPO on an industrial scale. The prefabricated mill is based on a sustainable logical process, built with well-engineered and sturdy equipment.

With a processing capacity of 1 ton of FFB per hour, the MODULAR is a unique, fully operational mill preassembled in 4 containers for easy shipment and installation on site, designed specifically for installation in remote areas. The mill comprises a pressure sterilizer, self-cleaning rotating drum thresher, digester, twin screw press, double continuous oil and sludge decanter, oil dryer and nut cracker. It is powered by a diesel generator and biomass fuelled steam boiler.

A RENTEC engineer will supervise the installation on your site and fine-tune the equipment. The plug-and-play system is operational within a few days and brings local employment to the region: it is operational 24 hours a day.

The MODULAR is a highly profitable unit with low maintenance cost, giving you a quick return on investment. The MODULAR is a real money-maker!





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With over 30 years of experience in sub-Sahara Africa and Latin America, RENTEC is Europe's leading manufacturer of professional palm oil extraction equipment. Our energy efficient mills combine the highest possible extraction rates with the lowest ecological footprint. We engineer and manufacture your equipment in our factory in Belgium, according to the highest European quality standards. You will enjoy an immediate return on your investment thanks to our unique concept of pre-assembled, factory tested mills, ready to run at arrival.



Operational 24 hours per day



Twin-stage oil decanting

	PALMITO	RURAL	MODULAR
Input	Handthreshed fruit	Handthreshed fruit	Fresh Fruit Bunches
Capacity/hour (on 'Tenera')	+/- 125-175 kg	+/- 250-325 kg	1000 kg
Scope			
Reception/loading	By hand	Screw conveyor	Skip elevator
Sterilisation	Cooking	Cooking	Pressure sterilizing
Threshing	By hand	By hand	Automatic
Extraction	Mono screw press	Mono screw press	Double screw press
Oil decanting	Biomass heated	Steam heated	Steam heated
Depericarping	By hand	By hand	By hand
Kernel recovery	-	-	Nut cracker
Water supply	-	Waterpump	Waterpump
Steam boiler	-	Included	Included
Diesel generator	-	Included	Included
Roof structure	-	Included	Included
Supervision installation by RENTEC engineer	Optional	Included	Included