



RURAL

Semi-industrial small-scale
palm oil mill



Semi-industrial palm oil mill for the processing of threshed fruit

RURAL



Fine tuning by RENTEC supervisor

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.



The RURAL is a semi-industrial small scale palm oil mill, pre-assembled in one 20ft. customized container, processing about 250 to 325 kg of handthreshed fruit of the 'Tenera' species per hour.

A screw conveyor feeds the threshed palm fruit to a continuous cooker/digester. A motorized screw press extracts the oil, which is then pumped to the double decanting system. The steam for this process is supplied by a biomass fired steam boiler; a reliable diesel generator enables the mill to work independently in remote locations.

The plug-and-play system requires very limited civil works and is easy to install using local labour. A RENTEC engineer will supervise the set-up and commissioning of the installation on your site and fine tune the equipment.

The RURAL has been designed to be a sustainable and profit making mill with low maintenance cost, simple to operate but generating funds with a limited investment, even at low oil prices.





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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.



Biomass fired steam boiler



Ready for shipment

	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