FOOD & BEVERAGE

MULTIFUEL BIOMASS COOKING STOVE

A single-pot cooking stove has been designed especially for low-income rural environments. The stove can be fed with traditional solid fuels such as briquettes, charcoal or wood. The material is cost-effective 12% chromium steel.
The corrosion and high temperature resistance properties of the metal are perfectly adequate for the purpose. The result is a cost-effective solution that suits the "appropriate technology" concept.

LOCATION/ENVIRONMENT	South Africa – indoor (kitchens) and outdoor
PRODUCT	Cold sheet
FABRICATION PROCESS	Laser cutting, CNC punching, blanking, pressing, rolling, spot welding
GRADE	3CR12 (12Cr-Ni-Low C), AISI 409 (12Cr-Ti)
SURFACE	2B, BA (the outer shell is 4-colour printed)
COMPETING MATERIAL	Galvanised sheet, tin-plated mild steel.
DATE OF COMPLETION	November 2003
MANUFACTURING COMPANY	Crispin Pemberton-Pigott / Rina King, Vesto, Greenside (Republic of South Africa) New Dawn Engineering (Swaziland)
MATERIAL SUPPLIER	Various
SOURCE OF INFORMATION	Southern African Stainless Steel Development Association (SASSDA)
REMARKS	The product was awarded a Runner-up Merit in the 2004 Stainless Steel Awards, presented by the Southern African Stainless Steel Development Association (SASSDA). Also in 2004, the Vesto was a winner in the Housewares category and was awarded the first ever Chairman's Award by the Design Institute of South Africa (DISA).