

WILMAR OIL

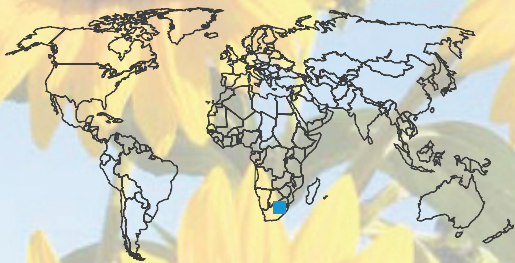
OIL SECTOR

Wilmar Continental Edible Oil and Fats (Pty) Ltd

Randfontein, South Africa

Group: Wilmar International Limited

- ❖ Smiflexi LWP 25 Wrap-around casepacker
- Smipal APS 3000 Palletizer
- Smiline Conveyor belts



GEO LOCATION

INSTALLATION / Wilmar Oil



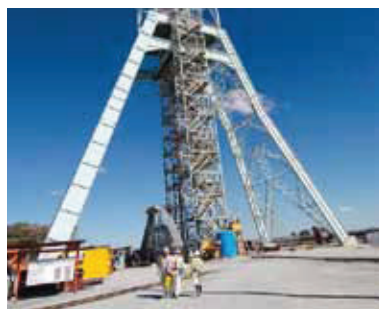
In South Africa, 45 kilometers west of Johannesburg in the province of Gauteng is the town of Randfontein, founded in 1890 with the aim to serve the recently discovered gold mines.

Even though Randfontein was developed in the twentieth century as a strategic area for the extraction of gold, today the local economy is based on important metallurgical, textile and food industries.

Among them is Wilmar Continental Edible Oil and Fats, one of the leading South African manufacturers of sunflower seed and other seeds oil. Since the company recently installed a new PET line for the bottling of oil in 350 ml and 500 ml bottles, SMI



provided a Smiflexi LWP 25 wrap-around casepacker, an automatic APS 3000 palletizer and the Smiline conveyor belts for connecting the machines together.



INVESTING IN TECHNOLOGY

TO MEET MARKET DEMANDS



Wilmar Continental Edible Oil was founded in 2011 from a joint venture between Wilmar International

Limited, Asian group leader in the food industry founded in 1991 in Singapore, and Continental Oil Mills (Pty) Limited, one of the major South African industrial companies involved in the production of edible oil whose origins date back to 1968. In that

year, in fact, current CEO Abdul Kader Moosa started up his own company in the production and marketing of edible oil, drawing on the experience gained earlier in this field.



INSTALLATION / Wilmar Oil



In subsequent years, the founder's three sons - currently Chief Executive Mohammed Ferouze, Operations Manager Fayyaz and Sales & Marketing Manager Asif - joined their father in the management of Continental Oil Mills (Pty) Limited.

The company is well known throughout South Africa for the Excella, S'Lite, Pan, Canola oil brands and the Conti mayonnaise, which are sold in retail stores, supermarkets and through mass retail channels.

Continental Oil Mills also specializes in the production and marketing of a wide variety of products for wholesale companies as well as the hotel & catering industry.



Since the Moosa family has always been at the forefront in driving the evolution of the cooking oil production industry, it made huge investments since the very start to equip its factories with the most modern systems.

For these reasons the Continental Oil Mills plants of Randfontein and Viljoenskroon, which are located 60 km east and 90 km south-east of Johannesburg, respectively, have always had cutting-edge high-tech machines.

Their lines produce the main sunflower and other seed oil brands, the distribution of which will be further expanded through the recent agreement with the U.S. multinational Walmart Stores Inc., owner of the homonymous chain of retail stores, which recently launched a marked investment plan in South Africa.

Walmart Stores is the largest retailer in the world and, in 2010, was the

largest company worldwide in terms of turnover and number of employees.

Over the past few years, Wilmar Continental Edible Oil and Fats has embarked on a large-scale expansion program that made it necessary to commission to SMI the engineering study, through its local agent Caltech Agencies, for the optimization of its line-end operations in the new 10,800 bph production facility in Randfontein, which bottles and packages the 350 ml and 500 ml PET bottles.

The SMI supply includes a Smiflexi LWP 25 wrap-around casepacker, which ensures high quality packaging in completely closed cardboard boxes, and the Smipal APS 3000 automatic palletizing system that arranges the 3x4 collation packs from the wrap-around casepacker on the 1000x1200 mm pallets.

The Smiflexi LWP casepackers manufactured by SMI are suitable for packaging a variety of containers in corrugated cardboard boxes or cardboard trays through the continuous wrap-around system and feature a simplified modular design. The entire cardboard blanks magazine is located beneath the machine's infeed conveyor so as to greatly reduce the overall dimensions of the LWP and to allow it to be installed even in manufacturing plants with limited space available.

The Smiflexi LWP series is equipped with a motorized oscillating sorter, placed on the infeed conveyor, which facilitates the channeling of loose containers towards the grouping area in the format selected by the operator, thus preventing abrupt stops in the feeding flow.

The group of containers to be packaged is formed by means of a reciprocating-motion mechanical system. A synchronized separator bar receives the products from the pneumatic separator, places them in the required format and accompanies them the box/tray forming unit, making the packaging process extremely smooth and precise. The manual format changeover is simple and fast since it is not necessary to replace any of the machine's mechanical or electronic parts. After completing the required mechanical adjustments, the operator only needs to select the new format via the POSYC control terminal. Even switching from a small to a large pack or vice versa can be performed quickly since the operator can easily change machine pitch, which is indicated by the colored position indicators located on the chains.



The Smiflexi LWP casepackers are managed and controlled through the POSYC operator panel that not only allows instant access to the machine's manuals but also allows you to update/change the set working parameters and monitor the entire packaging process.

The LWP casepackers are easy to use even by less skilled operators thanks to their user-friendly graphical user interface, touch screen and real-time advanced diagnostics and technical support.



INSTALLATION / Wilmar Oil

South Africa: the largest open-air museum in the world

Colors, charm and freedom.

Inextricable maze of traditions, peoples, languages, lifestyles and fascinating contradictions: this is how South Africa welcomes its visitors, who will bring back home memories, images and feelings that are impossible to forget.

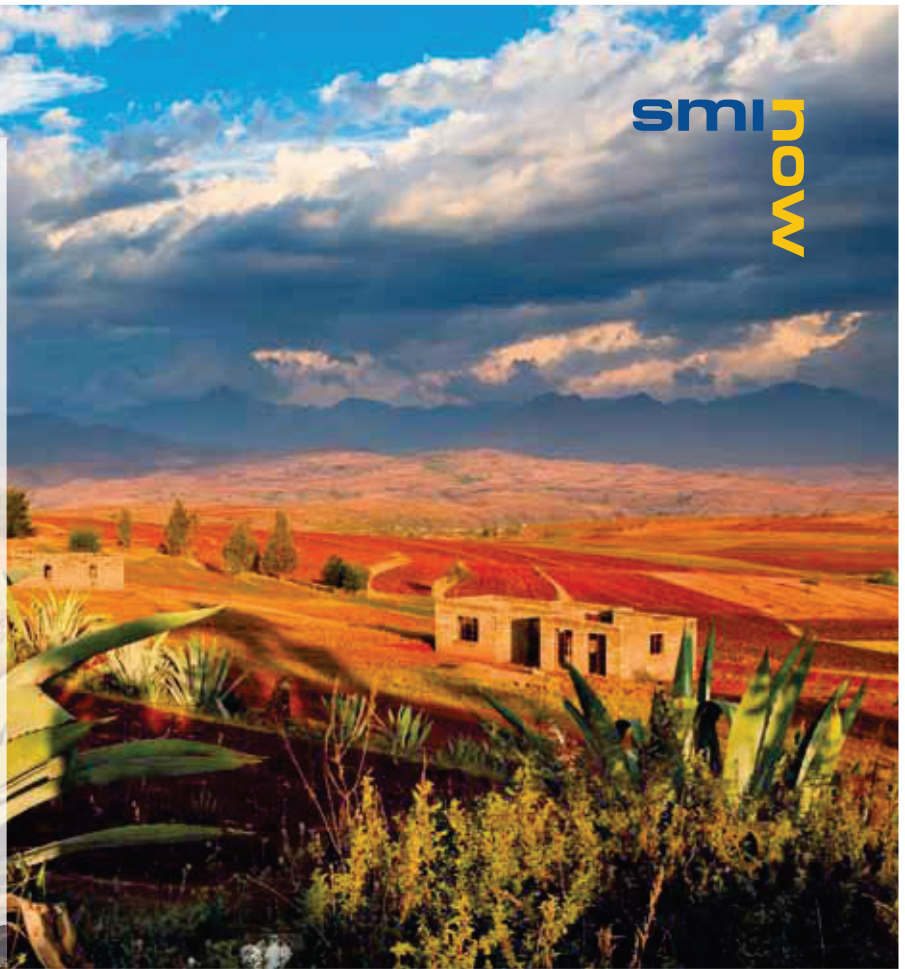
South Africa is also the largest open-air museum in the world: extraordinary animals that live together with ancient trees, incredible sunrises that fade to become breathtaking sunsets and then the mountains, deserts, tropical forests and grasslands.

All this in a journey full of discoveries, thoughts and dreams to live.

This huge country is also populated by a fantastic fauna: in fact, many of the largest national parks are home to the African "big five", i.e. the big mammals: elephants, buffaloes, lions, rhinos and leopards.

And if this were not enough, with its more than 20,000 species of plants, South Africa is a small plant paradise and, not least, the cradle of mankind: in fact this is where the oldest fossils that mark the origin of man were found. These fascinating landscapes coexist with the modernity of cities and industrial centers thanks to the diamond, manufacturing and mining businesses (especially gold and uranium).

South Africa's internationality and technological development has allowed it to host the 2010 World Cup, during which the country's infrastructures were further improved.



END-OF-LINE AUTOMATION FOR FLEXIBLE PALLETIZING SYSTEMS



The Smipal palletizing system installed at the Randfontein plant of Wilmar Continental Edible Oil and Fats (Pty) Limited belongs to the APS 3000 series that includes automatic systems for palletizing cardboard blanks, bundles, trays and packs in general. The palletizing systems offered by Smipal set a new standard in the panorama of robotic palletizers with man-like movements and are characterized by the fact that they are highly flexible and easily adaptable to any logistics condition of the line-end area in a wide range of sectors: beverage, food, chemical, pharmaceutical, detergents, glass, paper and many others.

The central pillar of the APS palletizing systems is driven by brushless motors that ensure extremely dynamic, harmonic and precise movements thus ensuring high reliability, reduced maintenance and low management



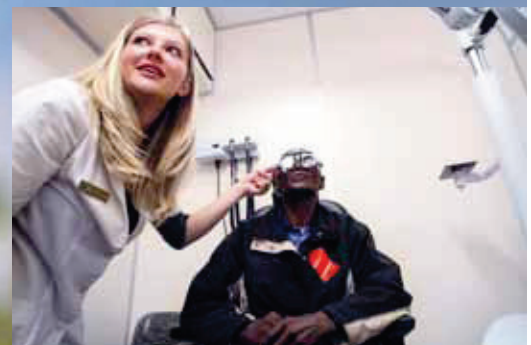
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costs for the entire process.

In addition, the accurate design of the column and the horizontal beam, together with the sliding on recirculating ball blocks, ensure fluid and continuous movements with minimal dynamic bending and virtual absence of vibrations: this is the key to ensuring a long lifecycle of the mechanical components.

Automation and on-board control of Smipal palletizers rely on innovative technology based on Sercos fieldbus through which the operator can quickly and easily manage all palletizing operations at the end of the line using a simple and user-friendly man-machine interface.

System management is made even easier by the use of advanced graphics, touch screens and a wide range of diagnostics and technical support available in real time. Finally, entering the specifications of the packaged pack, size and number of layers, the system automatically proposes all the possible palletizing layouts on the operator panel screen.



Phelophepa, the health train.

Presented for the first time in 1994, the "health train" (in fact Phelophepa means "healthy, clean") is a 16-wagon train that travels nine months a year throughout South Africa, stopping in many towns and small villages to provide medical assistance to people. In this way, thousands of persons, who in the past were forced to walk for days to reach the nearest emergency unit, for the first time in their lives can now receive adequate medical care in the place where they live.



THE WORD TO THE CUSTOMER

Interview with Fayyaz Moosa and Fanie Hotzhauzen of Wilmar Continental.



From the left:
Floh Thiele of Caltech Agencies with
Fayyaz Moosa, Wilmar Continental
Operations Manager

Fayyaz Moosa, Operations Manager, and Fanie Hotzhauzen, Plant Manager of Wilmar Continental Edible Oil, state their expectations on the new SMI supply to Floh Thiele of Caltech Agencies during a business meeting.

"For this new and relatively small production line, we decided to invest in machinery of excellent quality" says Fayyaz Moosa, Operations Manager of Wilmar Continental Edible

Oil, adding that "the investment was needed to meet the rapid growth in local demand. We are well aware of the cutting-edge technology that all SMI machines feature and trust in the support of their local agent Caltech Agencies".

During the interview, Fayyaz Moosa comments on the technical solutions designed specifically by SMI to meet their specific requirements and





✦ The managing staff of Wilmar Continental:

(From the left) Rob Abendanon, Vice-Chairman; Mohammed Ferouze Moosa, Chief Executive; AK Moosa, Chairman; Asif Moosa, Sales & Marketing Manager; Fayyaz Moosa, Operations Manager.

explains why the reasons for choosing competent partners continues to play a crucial role for Wilmar Continental. "Since our company merged with the Wilmar International group, we have witnessed a strong growth of our business. Our production capacity has expanded considerably and we expect significant growth in the coming years.

The new Randfontein plant takes the credit for a substantial part of this large-scale expansion, which is equipped with high-speed machines for the production of a wide range of products of our portfolio, subsequently marketed by numerous retail distribution centers.

To address growing market competition, our company is also planning to build an integrated

production center to cover the whole southern hemisphere market, which aims to be among the most advanced in our sector" continues Fayyaz Moosa, who has a long experience in the transformation process that goes from the seed harvest to the production and marketing of edible oil.

"Quality, reliability, exceptional technical support and quick response times are among the decisive factors that we take into consideration when choosing the machines submitted by the main suppliers" adds Fanie Hotzhauzen, Plant Manager of Wilmar Continental Edible Oil. "We are pleased to be able to count on the strong support of SMI and Caltech Agencies and on their presence in our production sites, both during

the study and development stages of new projects as well as after-sales service" concludes Fayyaz Moosa, company Operations Manager.

✦ Below:

Continental Oil Mills (Pty) Limited and Wilmar International Limited announce their joint venture to form the Wilmar Continental Edible Oils and Fats (Pty) Limited company.

