



**The industrial strength energy
that delivers what you ask**

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 **AFROX**
Handigas

The efficient cost controlling energy that produces what you ask, when you ask

Exploding urbanisation, better paid jobs, increased literacy and high expectations combine to create strong demand for durable goods, manufactured materials and print and packaging in South Africa.

This demand embraces everything from motorcars to a mouthful of carefully marketed fast food. In all areas profitable opportunities will continue to grow.

At the same time, local business faces global competition and cannot afford to compromise on cost, quality or time to market. In this environment, manufacturers need reliable, economical inputs that adapt flexibly and quickly to meet changes in the market.

When it comes to effective energy, Afrox Handigas is that input. Handigas fuels seamless growth as demand will not outstrip infrastructure or the capacity to grow.

With a large installed Handigas base in bulk and cylinder supplied configurations, Afrox is in a unique position to deliver an industrial strength LPGas solution to produce exactly what you ask, when you ask. Choose Afrox Handigas and leverage off the expertise of the market leader.

The energy for ovens

Afrox Handigas reaches a flame heat of 1940°C in an instant or cools quickly to meet any demand. Handigas is used effectively in a variety of furnace, heating and smelting applications. In vitreous enamelling, for example, oven temperatures are optimally controlled with Handigas. In the oven, clays in the enamel react with the metal to create a hardwearing surface after which groundcoat and colour-coats are applied and then fused. In the final process items are dried in a directly-fired open flame dryer.

The energy for industrial baths

A cleaning process using alkali, acid and rinsing baths conditions metal or plastic surfaces and is an effective, inexpensive way to remove rust, scale or grease. Directly-fired Handigas systems outperform electrical options and are able to reach and maintain the required temperatures effectively.

The energy to keep an attractive face

Packaging needs to be durable, and printed surfaces have to withstand handling to effectively display the brand message. A combination of flame treatment and heat drying, using Handigas, is used in several of these applications. These include can or glass decorating, plastic packaging and cap-making. Handigas dries high-speed printing moving at 30km/h and is also used in liquid packaging to form the printed sleeves and the final cartons.

The energy to ensure a great finish

Handigas is a popular choice in paint finishing and component refinishing applications and is the energy of choice at major local automotive plants. At work in the heating and drying process, Handigas provides the clean burning quality to ensure a high quality finish. Handigas is also widely used in powder coating and flame drying applications.

The energy to secure supply

Afrox has watertight agreements with all major oil refineries to ensure the reliable supply of LPGas and effectively supplies Handigas to a broad range of applications across a national footprint. The biggest fleet of bulk and cylinder vehicles operates in all parts of the country and a nationwide branch network ensures effective representation is close to hand.

