

Vacuum trucks and telehandlers launched at Bauma

During September, the Goscor Group of Companies launched several exciting new machines at IFAT and BAUMA Conexpo 2015. Goscor Cleaning Equipment showcased its proudly South African vacuum and cleaning technology, while Group company Bobcat released its new Roto telescopic handler.



At the HPVR-1000 launch are, from left: Gregory Venter, GM Goscor Cleaning Equipment; Jean Visser, head of engineer at Highpoint Vacuum; Derek Watlis, launch MC; Tony Siddie, chairman of the Goscor Group; and David Gade, MD of Highpoint Vacuum.

The IFAT Environmental Technology Forum Africa presented the ideal platform for Goscor Cleaning Equipment to launch, on 17 September 2015, two vacuum trucks and a Mobile Vacuum Trailer built by local specialist vacuum manufacturer, Highpoint Vacuum.

First in the impressive line-up was the new HPVR-1000 Jetting/Vacuum combination truck with a unique water recycling capability that presents a first for South Africa. Purpose-built for cleaning sewage and storm water drains, the HPVR-1000 recycler's impressive jetting and vacuum capacities of up to 500 l/min at 200 bar and 3 200 m³/hr respectively, make light work of unclogging sand, silt and foreign materials from storm water drains.

"We designed and manufactured this highly specialised vehicle locally with the exception of the recycling system, which we sourced from Dietmar Kaiser, a market leader in this field based in Lichtenstein," says Highpoint Vacuum CEO David Gade. Explaining how the recycling process works, Gade says that once the vacuumed (dirty) water settles in the vacuum tank, it is filtered and for-

eign matter is removed by the recycling system. Water loss is minimal during this continuous process and close to 100% of the water is recaptured for re-use in the jetting process.

Gregory Venter, general manager at Goscor Cleaning Equipment adds: "Recycling jetting water can save up to 20-million litres of clean water per annum, presenting the ideal environmental solution for water-poor countries like South Africa. In addition, the machine's capacity to hold 6 000 litres of clean water saves fuel and time and substantially improves productivity as work does not have to be interrupted by water collection," he says, adding that the recycling system carries a 12 month warranty.

According to Gade, the truck is extremely easy to operate and requires a team of only two or three people. "We provide OEM training to Goscor Cleaning Equipment, which the company then passes on to customers."

"Our three-year partnership with Sasolburg-based Highpoint Vacuum to manufacture and supply a quality range of vacuum truck, air movers, jetting and combination jetting machines has been a win-win for both companies," continues Venter. Established in 2006, Highpoint Vacuum specialises in building its locally designed industrial vacuum and jetting systems on standard truck chassis homologated for on-road use in southern Africa. "The new Mobile Vacuum Trailer is a direct result of our close cooperation and team work with Highpoint Vacuum. This unique machine meets the need that we identified in the market for an easy to set up and manoeuvre machine for plant clean-ups." The unit is powered by a turbo-diesel engine, which drives Highpoint's own unique vacuum pump via a reduction gearbox. The elimination of belts and pulleys increases reliability and reduces maintenance costs for the end-user. Fitted on a heavy duty frame with tandem braked axles and 16-inch



wheels, the compact machine can be conveniently towed behind an LDV to access difficult to reach industrial and mine sites.

Goscor Cleaning Equipment's Bauma stand also exhibited a Positive Displacement Blower (PDB) wet and dry vacuum truck. Featuring a 12 500 l tank capacity, the HPVR-1000 PDB is ideally suited for the efficient handling of a wide variety of materials, from slurries to cement and fly ash.

The mining and industrial trade fair was also the launch platform of one of Goscor Cleaning Equipment's most advanced heavy-duty mechanical-suction sweepers. The new M60's 6,0 m³ hopper and 6 000 kg net payload ensure unmatched performance in extremely heavy-duty urban and industrial conditions. The machine works dust-free even in the dustiest of conditions thanks to the PM10 large surface filters.

The advanced CanBus (controller area network bus) control system connects all the modules working throughout the machine for maximum effectiveness and efficiency. In addition to the load sensing hydraulic system that reduces fuel consumption, the M60 also features a powerful, quiet suction turbine, 4-wheel power steering and 180° right/left hand side front adjustable brush. Comfortable front and rear suspension, a tilting cab and a central drive position ensure optimum operator comfort.

Rounding off Goscor Cleaning Equipment's display of cleaning technology at this year's Bauma is the Tennant Sentinel power sweeper. The unit's self-adjusting centre-point-suspended main brush efficiently picks up sand, dirt, rocks, broken glass and light bulk debris. The state-of-the-art Sentinel dry



Above: Purpose-built for cleaning sewage and storm water drains, the HPVR-1000's recycling system recaptures water for re-use in the jetting process.

Right: With a Bobcat man platform attachment the Bobcat TR50210 Rotary Telescopic Handler transforms into an aerial work platform.



dust control system, with its unique twin vacuum design, traps particles as fine as 3,0 μm , easily meeting the most stringent PM-10 environmental requirements of less than 10 μm .

Goscor Cleaning Equipment is responsible for all maintenance, service and repair of its vacuum and cleaning machines and equipment. "Our fully qualified after-sales field service team located in various regions around the country is well stocked with parts and spares and offers a rapid 24/7 response to ensure maximum uptime for customers," concludes Venter.

Bobcat rotary telescopic handler

At an evening function at Goscor Group's Bauma stand, Bobcat Equipment unveiled the flagship in the new four-model Roto telehandler range, the T50210.

"What makes the Bobcat Roto telehandler truly unique is the fact that it offers a 3-in-1 solution," explains Bobcat Equipment's national sales manager, Andre Steenkamp. "When used with a Bobcat pallet fork or bucket, it's a telescopic handler, but by attaching one of our man platforms, the machine transforms into an aerial work platform and by adding a winch or jib attachment, it can be used as a crane." According to Steenkamp, the vast array of Bobcat attachments can be fitted easily in a matter of minutes. "All four rotary models are equipped, as standard, with man plat-

form attachments," he adds.

These versatile, flexible and efficient Roto telehandlers deliver unrivalled value by offering virtually endless possibilities. Efficiency has been incorporated throughout the design of the machines, while improved height and reach, excellent manoeuvrability, ergonomics and low maintenance give new meaning to productivity as the end-user can do so much more on site and perform a greater variety of work in less time using only one machine.

TR50210 Roto telehandlers have four-section booms, offering maximum lifting heights of 20.5 m on stabilisers and 20.3 m on tyres. Its 360° rotating capability improves reach and accessibility, enabling the machine to serve the needs of an entire site from just one position. The machine offers exceptional stability for lifting heavy materials either vertically up to a roof or horizontally onto the edge of an excavated site, providing over 17 m of reach. Load sensing control ensures simple and safe stability management and its four independently controlled stabilisers allow full stability even on irregular terrain.

Driven by 106 kW liquid-cooled diesel power packs, these machines can travel quickly from one job site to another. Compared to a rigid frame telehandler, the Bobcat Roto can cut the time to complete repetitive jobs by less than half, without moving the machine off its stabilisers.

Front-wheel steering is ideal for road

travel while all-wheel steering ensures better on-site handling and a smaller turning radius for negotiating sharp turns in small and narrow spaces. The crab steering function ensures positioning of loads to the side with perfect precision in cramped areas. In addition, the easy-to-use, heavy-duty hydrostatic transmission allows accurate positioning for greater safety and precision, as well as continuous speed control. All the models in the range can be equipped with radio remote control.

Operator safety and comfort is fundamental to productivity and here too the new Bobcat Roto delivers. The oversized ROPS/FOPS cab provides generous space with air-conditioning, road lights, a boom light and a radio/CD as standard features in the T50210. The instrument panel is designed to allow an easy overview of the machine's operating status for increased safety. Low noise levels (104 dB) and low body and hand-arm vibration levels further contribute to operator comfort and reduced fatigue.

All the components and service points are located in the same, easy-to-access place on every machine, thanks to a common platform and consistent design, a feature that greatly facilitates maintenance and maximises uptime.

"Our service and parts department delivers a uniquely wide offering that includes genuine Bobcat parts, tyres and specialised lubricants, service contracts, rentals, repairs, operator training and free technical advice," notes Steenkamp. □