



BEYOND BARRIER FILTRATION



Nissan benefits from Magnum™

Nissan Motor Company was experiencing regular failures of the lubricant recirculation pumps on grinding machines within the crankshaft production shop. Each of these pump failures resulted in the region of £1000 in overhaul costs in addition to the uncalculated costs associated with machine downtime. Aligned to this was the need to improve quality control levels within grinding operations by preventing the build up of debris on the machine beds. In an attempt to solve these problems Magnum™ distributor Linden Group were approached. Linden Group installed 2 Magnum™ Clear 20 Units in parallel before the chiller unit. This fitment also protects critical components such as the chiller and the pump. The Magnum™ Clear 20 Units are capturing in excess of 8kg of contaminant every 2 to 3 days. This success has saved the company thousands of pounds in overhaul and downtime costs as well as what is likely to be substantial savings due to improved quality levels. As a result of the Magnum™ technology being proven to reduce costs, further units are to be installed in other grinding operations within the plant.

Magnum™ developed for wind turbines...

In response to recent enquiries from wind turbine owners and OEMs FCS has developed a series of solutions for retrofitment to wind turbines. The Magnum™ has been shown to extend conventional filter life and improve fluid cleanliness by removing fine contamination that would normally pass through the conventional filter. This in turn dramatically increases component life and reduces the need for expensive servicing. Currently FCS has a Pre-Filter Unit design as shown to the right on trial with Vestas. This unit is sized to spin on before a Mahle 10" canister



Magnum™ repeats success in metal forming



An international tube forming company was recently seeking process and cleanliness improvements of the tube forming section within their plant. The largest area of concern for the quality control team was the condition of the tube mill cooling emulsion (a semi-synthetic soluble oil). As a result of the forming process, ferrous contamination builds up within the fluid reducing its life and can become embedded into the steel itself. As an initial trial, 2 Magnum™ units were fitted within the current filtration circuit. A Magnum™ Clear 5 Unit was fitted upstream of the existing filters, between the reservoir and the filters, to not only remove the harmful ferrous contamination but augment the current filtration system. A second unit, a Magnum™ Process Unit was installed in the return line. Due to the nature of the process, large levels of contamination were forecast. Consequently the cores on both Magnum™ units were inspected soon after installation, both cores were found to be heavily laden with ferrous contamination, this was a clear indication of success. The quality control team are now planning to introduce the technology in other parts of the plant.



Magnum™ Support Materials

Magnum™ now offers further support materials, including videos showing the ease of cleaning (see still to the right), specification charts, electronic versions of all Magnum™ brochures (for easy editing and translation) and specific market printed brochures. In addition Magnum™ branded promotional products and banner stands are available for purchase. For further information on all Magnum™ marketing material please contact marcus.taylor@magnum.com in the Magnum™ UK office.



Magnum™ Gets Quick Results

Finnish Magnum™ distributor, Rotec Engineering's unique approach of "quick testing" Magnum™ units in front of the customer is seeing rapid take up of the technology within the Ferrous Machine Tool sector. A Magnum™ Clear 5 unit equipped with a rubber hose is quickly attached to pipe work and handheld for a couple of minutes allowing the process fluid to pass through the patented Magnum™ core. Even after such a short period of time, upon inspection, the core can be seen to contain small amounts of ferrous contamination. This enables the customer to see the benefits of the patented technology straight away.



More Magnum™ mining successes



US Magnum™ distributor GP Services has focused principally on selling Magnum™ into fleets of construction vehicles. Recently GP has looked into the mining sector, to the left is a roof-bolter that GP installed a Midi unit on the hydraulic cooling circuit of. Previously the equipment dealer had been called out because of valve problems, with the Magnum™ these problems have ceased.

New US Distributor Manager

The Magnum™ team are pleased to announce the recruitment of Arch Saxe as VP of Sales and Distribution in North and South America. Arch's experiences of building North American Distribution for engineering products over many years is ideal to help Magnum™ harness the potential demonstrated in Europe. Arch can be contacted via email (arch.saxe@magnum.com) or on 001 312 315 2487.