

DRILLING, MILLING OR DE-COMMISSIONING?



ROMAR INTERNATIONAL MAGNETIC SEPARATION SYSTEMS

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For decades removing metal contamination from drilling fluid systems was an inefficient and hazardous task for rig crews. In today's increasingly challenging drilling and slot recovery operations there is a greater need than ever to monitor casing wear and safely remove metal contamination.

Romar International's range of patented magnetic systems are unique and provide outstanding performance for use in all Oil and Gas drilling applications.

WHAT IS THE ROMAR MAGNOGRID DITCH MAGNET?



The Romar Magnogrid is a high magnetic strength tool designed to catch metal contaminants from all forms of drilling medium. It is the only real alternative to using traditional block magnets which are acknowledged to provide poor performance and manual handling issues.

WHAT SITUATIONS AND PLACES CAN IT BE USED?

- To monitor Casing wear
- To collect Swarf from milling Whipstock Windows
- To collect fines from HP, HT Wells
- During Milling Operations
- In POSSUM Belly of Shale Shakers
- In Mud Return Lines prior to Shakers
- In return lines after shakers / prior to mud pits
- In CRI units to prevent metal objects entering the system

WHAT BENEFITS CAN THE SYSTEM BRING?

- The Magnogrids catch metal contaminants from fluid that have been picked up downhole
- Helps keep fluid clean on return downhole
- Increase mud pump expendable life
- Less pump downtime
- Increased shaker screen life due to less metal contaminants in the fluid
- Desanders, desilters increase CONE life
- Increase Bit life and Directional downhole tools
- Reduced Drill pipe erosion
- Recovers most metals from fluid, including ferrous, tungsten carbide, chrome, cast iron.
- Reduced costs by reducing damage to components caused by metal contaminants in fluid.
- Safer manual handling for personnel to deploy and clean.



MAGNOVEYOR SWARF HANDLING UNIT

This system is used for processing milling swarf during slot recovery operations on platforms and there is a requirement to mill casing to get to a point where the rig can drill a sidetrack to a new production zone.

It is also anticipated that the Magnoveyor Swarf Handling System will have a significant role to play during Platform decommissioning. The existing Wells will need to be removed and made safe prior to the removal of the Platform and the system will be used where casing strings have been cemented to the surface and require to be milled.

The system has been designed to handle flow rates of 1000 GPM and remove up to 1.5 Tonnes of metal swarf per hour.

The unit has been designed so that it removes metal contamination of all sizes with the result that the fluid returned to the rig fluid system is 100% free from metal contamination.

There are other companies which can provide a swarf handling service but none of them can provide the level of performance that we have achieved by using our magnetic technology.

The picture below gives an indication of the type of swarf that the system can deal with.

WHAT IS THE EZ-CLEAN MAGNOROD?

The Ez-Clean Magnorod is the next stage up from the standard ditch magnet Magnogrids. The assembly consists of a tube filled with magnetic material which has a rod & handle attached to it. **As per the picture above there is a stopper plate positioned on the tube.**

The Ez-Clean Magnorod system is located in a frame which fits to the profile of the flowline or header box. This provides a complete magnetic barrier across the full width and depth of the fluid path.

Each Ez-Clean Magnorod is pulled one at a time rather than the whole frame having to be lifted. When the magnetic material is pulled above the stopper plate any metal will be discharged from the Ez-Clean Magnorod.



WHAT OUR CUSTOMERS SAID ABOUT OUR PRODUCTS



BP

"I was a little sceptical at first when I saw the brochure as to the claimed efficiency but the obvious benefit was the reduction in weight, compared with the solid ones we had been accustomed to. The performance over the past 3 sidetracks has been excellent with no noticeable effects on the mud pump swabs/liners or MWD baffles. It's important to plan where they are best strategically placed and I think we've got that just about right. Of course the most important aspect of all is the crews like using them because of the obvious reduction in weight and manual handling."



EXXONMOBIL

"Your Magnogrids have been exceeding expectations -Engineers appreciate obtaining more accurate, indicative readings of casing wear, Mud Loggers have worked a safe/efficient cleaning/weighing system that wouldn't have been possible with our old design and we retrieved far more metal than expected for Z-23ST, world's deepest sidetrack (original intended use)."



SHELL

"We have just installed the new Magnogrid ditch magnets in the shakers and first impressions are good. They are easier to manhandle & by design look easier to clean off, due to the rod arrangement. The fit is good (no Welder input needed!!) & the boys think they are an improvement. Another step in the right direction."

For additional information on any of our products and to see our latest innovations please see the contact details below:

FOR FURTHER INFORMATION, PLEASE CONTACT ROBBIE GRAY ON THE FOLLOWING:

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