



Clockwise:
Morse® Laboratory/Pilot Plant Jaw Crushers;
D-12 Laboratory Flotation Machine;
Marcy® Laboratory Reduction Cone Crushers;
Marcy® Pulp Density and Specific Gravity Scale

Metso Makes Valuable Machinery Donation

University of Mines and Technology in Ghana the Recipient of Metso's Generosity and Commitment to the Future

Metso is making a significant donation of equipment and services to the University of Mines and Technology (UMaT) in Tarkwa, Ghana. This is not only an exceptional benefit to the current students, but also to the university when recruiting the mining engineers of the future. The equipment, which carries a fair sale value of \$50,000, will be officially presented to the university on May 7th, 2009 and will be installed in the laboratory of the mineral engineering department.

The equipment will consist of a Metso D12 complete flotation cell/scrubber; a Morse Model 2000 4" X 6" jaw crusher; a Marcy 6" Gyroll cone crusher;

a Denver vacuum filter; several Marcy pulp density scales; a Denver pulp density scale; a Denver 4" X 6" mineral jig; and all spares.

Best Student

Each machine or item offered is a sample from the laboratory equipment product line that Metso offers. With the exception of the mineral jig, which was made obsolete about five years ago, all of the equipment is brand new and currently offered for sale. Operating manuals for each machine will be included in the donation with a commitment to future service as deemed necessary, and 50 copies

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of Metso's basic mineral processing handbook will be also presented.

At the time of the presentation in May, Metso will launch an annual Best Student award consisting of a cash donation to the top mining and minerals engineering students. And Metso will instigate an annual mining school to train and update professionals and students in technological developments in the mining industry.

Win-Win Situation

According to Associate Professor **Richard Amankwah**, who is on the UMaT planning committee, this donation has come out of initial discussions between Metso (represented by **Mike Wallen, Ronald Schonleitner** and **Seth Quaye**) and the mineral engineering department in July 2008. "**David Renner**, the managing director of AngloGold Ashanti's Iduapriem mine, contacted Metso to discuss the possibility of forming an alliance with the department," he says. "Because Mr. Renner is an industry partner of the department, we see this as a win-win situation for all concerned." The Iduapriem mine commands over 20% of Metso-Ghana's annual sales.

Amankwah points out that the Metso equipment will be valuable to the continuing progress of his department. "We are involved in research areas such as geometallurgy, biohydrometallurgy, microwave processing of minerals, and environmental biotechnology, monitoring and management," he says. "The equipment will greatly assist us in developing these areas."

Important Link

This donation will serve as an important link between the university and the mining industry. It

not only demonstrates corporate social responsibility but also serves Metso's future plans. **Paul M. Heaton** (services product manager, lab equipment and standard products, Metso - USA) points out that "we've placed our equipment in an everyday learning environment. When the student graduates and moves on to employment they will recommend Metso to their employer for future equipment requirements. They can make firm decisions based on equipment with which they are already familiar."

This view is reinforced by **Raymond Ackabah** (manager, mill lining system and process technology support, Metso - Ghana). "Our alumni from the mining engineering department are running processing plants and service laboratories in all mining centers in Africa," he says. "These former students visit the school and liaise with lecturers, so Metso would be introduced to them."

Amankwah goes further. "The department would like to be considered Metso's research arm in the African mining industry," he says. "We would complement Metso with our broader vision of UMaT as the leading mining and minerals research institute in Africa."

Building A Legacy

The relationship with UMaT will raise Metso's presence in Ghana, especially since the company is currently the only one involved in such an undertaking. "Metso is making a contribution to the future," says Ackabah. "With our commitment to the education of engineers we are also raising confidence in customers who will ultimately order and use our products. They will become familiar with our local expertise in both operation and servicing of equipment they already have or intend to purchase."

Amankwah sees this donation as a means of

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positively affecting recruiting efforts at UMaT. "Prospective students can be confident that the department is affiliated with a world class mining, mineral processing and instrumentation company. And, of course," he adds, "it becomes easier for the company to recruit the best students for their projects in Africa and beyond."

In conclusion, Heaton says he is excited to be involved with such an innovative project. "I see the future benefits to the university, to Metso and to the country of Ghana. We are developing a legacy that we can be proud of."

Editor's Note: *The University of Mines and Technology (UMaT), Tarkwa was founded in 1952 as the Tarkwa Technical Institute. It has since emerged as a fully-fledged university located approximately 89km from the Western Regional capital Takoradi in Ghana.*

Known for its mining-related programs, UMaT offers students a balance of educational excellence and real-world experience. The current student population is 1200. The minerals engineering department alone has 180 students.

UMaT strives to become a center of excellence in Ghana and Africa for producing world class professionals in the fields of mining, technology and related disciplines. The specific areas include mineral exploration, mining engineering, mineral processing and extractive metallurgy and environmental engineering.

Metso is a global supplier of sustainable technology and services for mining, construction, power generation, automation, recycling and the pulp and paper industries. We have over 29,000 employees in more than 50 countries.

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