

JKTECHTODAY



Welcome to the inaugural issue of JKTech's Newsletter JKTechToday

IN THIS ISSUE:

<i>Flotation Optimisation</i>	1
<i>Mineral Liberation Analyser</i>	1
<i>JKJetLift wins MIOTA</i>	2
<i>BMT licensed to produce JKBlas Movement Monitors</i>	2
<i>Our People</i>	2

Coming Events

We look forward to meeting friends at our exhibition booths at the:

Centenary of Flotation meeting in Brisbane from 6 to 9 June

Exponor in Antofagasta from 14 to 18 June (thanks to assistance from Queensland Dept of Export Trade)

Austmine Conference in Brisbane from 5 to 6 July

Randol Innovative Metallurgy in Perth from 22 to 24 August

Extemin in Arequipa, Peru from 12 to 16 September

ExposIbram in Belo Horizonte, Brazil from 20 to 23 September

FLOTATION OPTIMISATION

DAN ALEXANDER AND HIS TEAM, SARAH SCHWARZ, GREG HARBORT, JON WORTH, ROB COLEMAN AND JONATHAN LEWIS have been involved with projects on nearly all continents (there are no mines in Antarctica). Plant surveys have been analysed and the subsequent Steady State Simulations have provided information for many customers to improve recoveries and grades.

A joint paper with Trevor Bilney of Placer Dome's Kanowna Belle was presented at the Canadian Mineral Processors' Annual Meeting in Ottawa in January 2005. The response to the story of increasing gold recovery was outstanding.

Further papers will be presented at the



From left: Dan Alexander, Rob Coleman, Sarah Schwarz, Jonathan Lewis and Greg Harbort.

Centenary of Flotation meeting in Brisbane from 6 to 9 June. A workshop on JKSimFloat will be

conducted by Dan and Sarah at the JKCentre on Friday 10 June.

MINERAL LIBERATION ANALYSER

The MLA team has also been busy with JKMineralogy experiencing a good year with analyses of client samples and MLA sales running at record levels.

Installations were completed at Rio Tinto Technical Services, Newmont Gold, Inco and the University of Nottingham. Installations are

scheduled for Richards Bay Minerals, and the Universities of Tasmania and Newfoundland in the next few months. These take the number of MLA installations to 18.



“This is the third occasion that a JKMRC project has won this prestigious award.”

How much Revenue are you losing?

www.jktech.com.au



JKJETLIFT WINS MIOTA

The Australasian Institute of Mining and Metallurgy awarded the 2005 Mining Industry Operating Techniques Award to the Twin chamber Pulp Lifter developed by JKMRC researchers Sanjeeva Latchireddi and Steve Morrell. JKJetLift® with twin chambers minimises "flow-back" in SAG mills reducing the effect of "slurry pooling" and thus maximising the discharge of slurry from the mill to increase mill throughput.

This is the third occasion that a JKMRC project has

won this prestigious award. JKSimMet® took the honours in 1993 and Mine-to-Mill® in 2001.

JKSimMet®, the steady state simulator for the optimisation of comminution circuits is the flagship of JKTech's suite of software. Since its introduction in 1986, JKSimMet® has undergone many enhancements and now has over 300 users world wide.

Combined with JKSimBlast, the blast

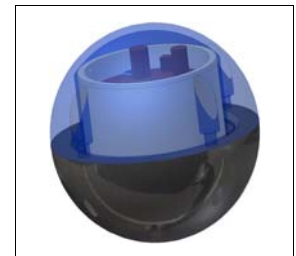
design software, and the JKMRC Blast Fragmentation Model, JKSimMet® provides the tools for our Mine-to-Mill® technology. This is the complete fragmentation and size reduction solution to maximise revenue and minimise costs at open pit mining operations.

Mine-to-Mill®, JKJetLift® and JKSimMet® are registered trademarks of the JKMRC.

BMT LICENSED TO PRODUCE JKBLAST MOVEMENT MONITORS

A license agreement was signed with Blast Movement Technologies to commercialise and market the JK Blast Movement Monitor technology - a revolutionary system which can assist mines minimise ore loss and dilution by providing accurate three dimensional movement

vectors soon after blasting. The close association between BMT and JKMRC research has seen an acceleration of the development of the JKBMM System and related technologies such that the movement monitoring and analysis is integrated into the mining sequence with little impact on production.



Blast Movement Monitor

OUR PEOPLE

The past year saw a number of new faces at JKTech:

Geoff Gault came back 30 years after completing his PhD to take over the MD's role from Tim Napier-Munn.

Craig Brown and John Willis joined to provide

support to the Comminution Optimisation Team.

Greg Harbort, Rob Coleman and Jonathan Lewis joined the Flotation Optimisation Team.

Debra Burrows and Priyanthi Hapugoda

joined JKMineralogy.

Phil Beak moved from Software Development to the JKMetAccount Team and Yikai Shi and Timon Missen joined the Software Team.

And early this year we welcomed Ben Adair as Director of the JKMRC.