



MECHANICAL ANALYSIS
& ENGINEERING DESIGN

GROUP LABORATORIES



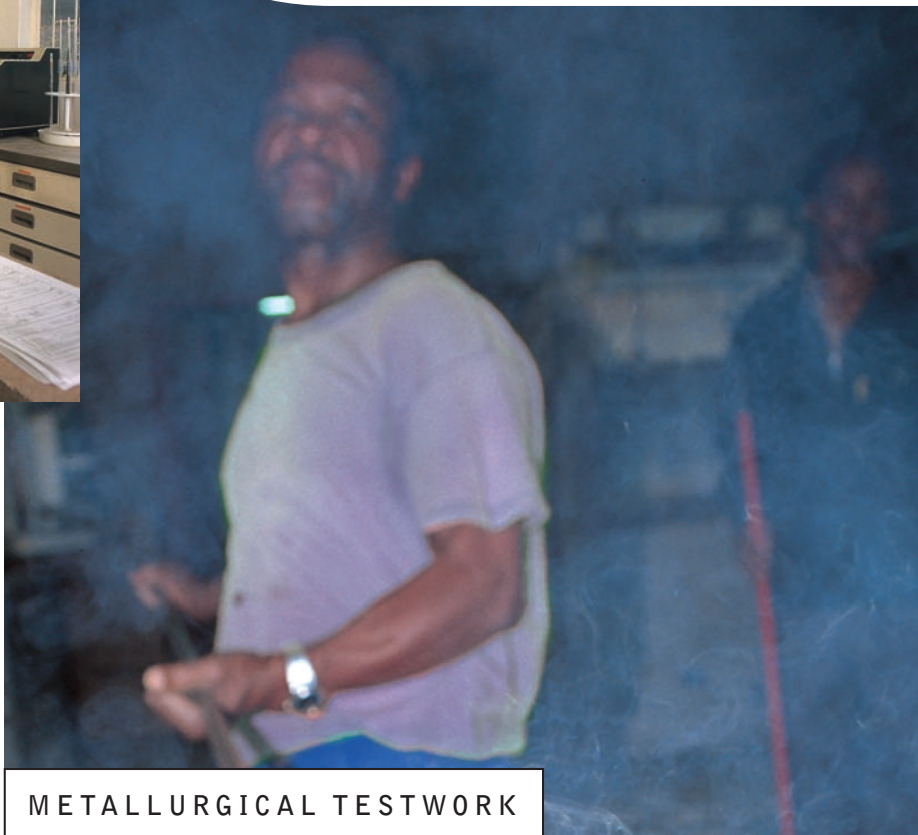
Founded in 1998 on the site of the West Witwatersrand Gold Mine, between Krugersdorp and Randfontein, the laboratory specialises in the assaying of gold. It also includes a metallurgical plant for the toll treatment of low-tonnage, high-grade material and selected pilot-scale testwork.

GOLD ASSAYING

MAED Group Laboratories specialises in fire assaying, with parting and weighing of the pure gold prill. The following samples are accepted:

- Exploration samples, including chip, drill core and rock
- Bulk rock samples
- Gold plant routine samples: solids, solution and carbon
- Selected water analyses

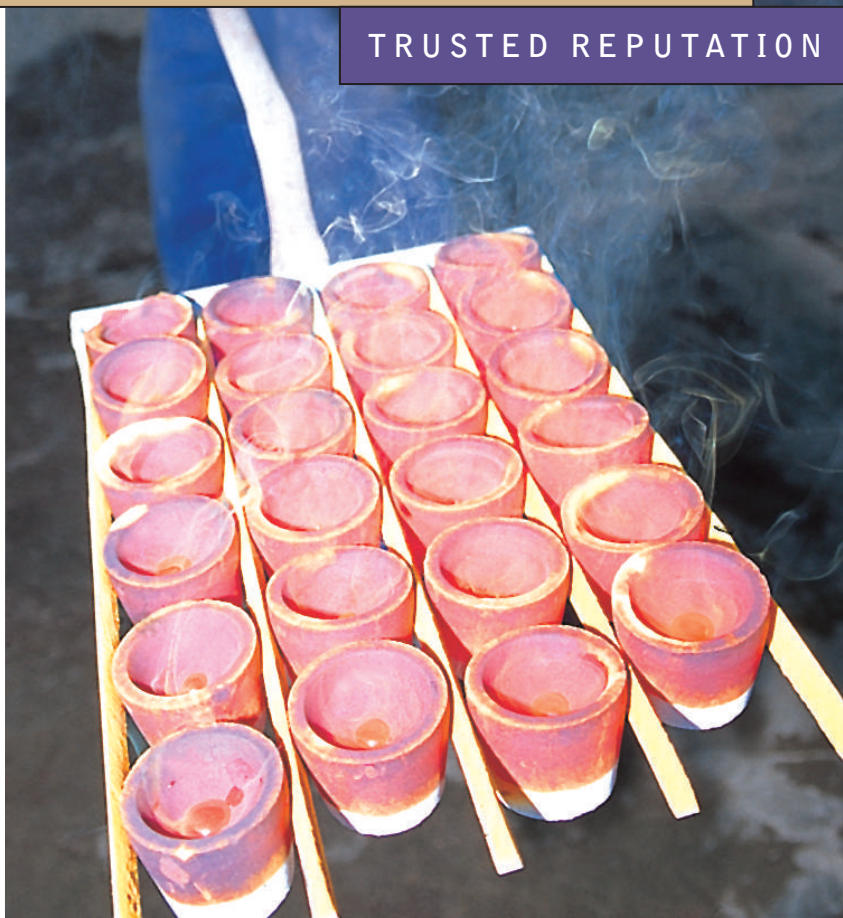
Analysis of gold in solution is achieved by extraction into an organic phase, followed by determination of concentration on an atomic absorption spectrometer. Other routine analyses include particle size analysis and carbon grade and activity determinations. Titre and other chemical solutions for plant operational use are prepared to client specifications. Critical samples undergo duplicate analysis. Internal and external standards are routinely included in a suite of samples.



METALLURGICAL TESTWORK

MAED GROUP LABORATORIES

TRUSTED REPUTATION



LABORATORY TESTING

Laboratory or bench-scale metallurgical testwork capabilities include:

- Variable size leachability tests
- Diagnostic leach tests
- Carbon adsorption profiles
- Determination of carbon abrasion rates
- Flotation testwork
- Heap leach testwork



METALLURGICAL TESTWORK

MAED GROUP LABORATORIES

TRUSTED REPUTATION



FAST, PROFESSIONAL SERVICE

Routine samples are collected and results reported within a period of 10 to 24 hours, guaranteeing a fast turn-around time. Results are communicated by facsimile or electronic mail.

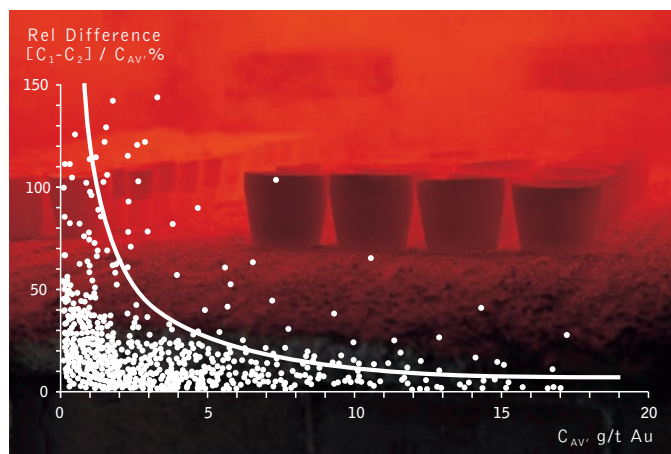
MAED Group Laboratories operate over weekends and public holidays.

Experienced industrial laboratory analysts and highly qualified managerial and supervisory staff ensure the laboratory's success. MAED Group Laboratories is frequently utilised to contribute to feasibility studies, plant optimisation and design projects undertaken by the MAED (Pty) Ltd project management team.

The laboratory has embarked upon the ISO 25 accreditation programme and clients are kept up-to-date with a monthly quality report. The report includes relevant analytical and assaying information, inter-laboratory comparisons and a critical analysis of duplicate (check) assays.

Highly competitive pricing and a reputation of reliability, speed, accuracy and honesty are the hallmark of our trade. Price lists are available on request.

ABSOLUTE RELATIVE DIFFERENCE



MAED GROUP LABORATORIES

At West Witwatersand Gold Mine,
14 Tweelopies Rd, Krugersdorp,
PO Box 2140, Rivonia 2128, Johannesburg

Tel: +27 11 660 9148

Fax: +27 11 660 9149

e-mail: maedlab@netactive.co.za

website: [www: maed.com](http://www.maed.com)