The AD3000 - AUTOMATED MICRO SAMPLE DOSING

BENEFITS:

- **PRODUCTIVITY IMPROVEMENTS**
  The AD3000 (Automated Dosing) system is capable of accurately dosing up to 3000 samples into test tubes and crucibles every 24 hours.

- **SHORT PAYBACK**
  This system was developed for base metal dosing at a large mine site laboratory to deliver significant productivity improvements without increasing labour, and with a short payback period.

- **PRECISION & RELIABILITY**
  The AD3000 uses a cartesian gantry robot to pick and place test tubes and crucibles from rack positions and into the dosing units. The simplicity of the 3 axis robot ensures reliability and precision.

- **LOW MAINTENANCE & EASE OF USE**
  Designed for trouble free operation, the AD3000 software has been developed for usability to operate, monitor and maintain the system. The dosing stations have a self-cleaning cycle run after every sample to minimise any potential cross contamination, utilising air blasts and vacuum.

- **SAFETY**
  The system is designed to machine safety regulations with electrical and pneumatic isolation, and all doors are equipped with safety locks.

The future of end to end robotic sample preparation systems. The AD3000 uses advanced technology to deliver labour savings and productivity gains in mining sample preparation.

ROCKLABS

ROCKLABS, world leaders in sample preparation equipment and automated systems, have recently added to their product offering. The AD3000 system is the next step to expand and improve the ROCKLABS offering in automated sample micro dosing and end to end systems.

THE PROCESS

There are four stand alone dosing units in the AD3000, each equipped with a load cell and a sample dosing mechanism. An output weight is assigned to each sample, usually between 0.1 and 0.25 gms, which is determined from a fully integrated LIMS database in the laboratory.

The gripper and dosing units are equipped with fibre optic sensors and track all samples at every stage.

DIMENSIONS

Height	2600mm
Width	1800mm
Depth	2230mm
Weight	2000kg

rocklabs.com

SCOTT

ROCKLABS
t +64 9 634 7696
f +64 9 634 6896
e sales@rocklabs.com

Linkedin:
nz.linkedin.com/in/scotttechnology

Youtube:
youtube.com/scotttechnologyltd