



# MECHANISED SAMPLE PREPARATION SYSTEM

## Pilbara Mechanised System

This Pilbara Mechanised System is the most up-to-date mechanised system at Rocklabs, a modified version of the Diavik Mechanised System. It still consists of a Lifter, a Boyd Crusher and a Rotating Sample Divider. But with the new modifications, the Pilbara Mechanised System is manufactured to be a better system. It has a higher level of safety, better accessibility to maintenance and controllability for operation. It also gives more degree of flexibilities and maintains a high cleanliness of the machine.

### Features



- a safety door put in at the loading dock for the lifter
- implemented safety door locking mechanism
- change of vibrating feeder design, increasing the sample capacity in the feeder creating a better flow
- a new air suction design within the system, enhancing the cleanliness of the machine interior
- light weight aluminium sample and remainder bins for collecting sample
- capable of taking duplicate sample in a single pass, (this is optional)
- better controllability, allowing each moving module within the system to be controlled individually