

CONTACT DETAILS

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- CLASSIFICATION
- DESANDING
- DEGRITTING
- DESLIMING
- THICKENING/DEWATERING
- SOLIDS REMOVAL

- HYDROCYCLONES
- TEST RIGS
- LAB MINERAL SEPARATORS
- MULTI-GRAVITY SEPARATORS
- SPARES & SERVICE
- TEST WORK

HUNDREDS OF HYDROCYCLONES TO PERU

Two large radials, for primary and secondary desliming duties, each with **5 x 80 way 2" Hydrocyclone Mushroom assemblies**, individual underflow launders, and an overflow collection tank, were recently despatched to Peru. Treating a combined flowrate of 1900 m³/hr tin tailings, the design has the flexibility to handle any increase in production capacity with minimum disruption. One Mushroom assembly per radial acts as a standby and a sixth Mushroom assembly can be added to either or both of the radials at a later date.

The client has been operating our 4 inch, 60mm and 2 inch Hydrocyclones over many years and Mushroom assemblies are a very compact way of housing the multiple Hydrocyclones required for this application. With 800 Hydrocyclones, 10 underflow launders and 2 large collection tanks, valves and ancillary parts, project management logistics were interesting!



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REPEATING SUCCESS WITH SCMG2 MULTI-GRAVITY SEPARATOR



Another **SCMG2 Multi-Gravity Separator (MGS)** was supplied and successfully commissioned in Turkey earlier this year. The earlier MGS has been operating for over 11 years producing a saleable grade of chromite from tailings, with only minimal spares and maintenance required. Both machines are situated side by side and treat tailings stockpiled from upstream processing. The process also includes our SC2018, 18 way 2 inch Hydrocyclone Canister for desliming and thickening. The MGS can be adjusted to optimise the grade of concentrate against recovery and in this instance the set-up of the machine achieves a saleable grade of around 42% chromite.

TESTING AROUND THE WORLD

Our Test Rigs are still much in demand. A special with SS316 wetted parts was despatched to the Middle East to treat brine. The client previously purchased a 2" Hydrocyclone with a range of vortex finders and spigots. A second Test rig with 10mm, 1 inch and 2 inch Hydrocyclones was supplied to a UK company and another to NSW Australia, again with a full set of hydrocyclones.

Another client wanted to remove barium sulphate, from anodic slimes, used in the final stage of their casting process. The aim was to reduce the quantity of slimes before the drying process in order to improve the saleable by-product. The client hired an **SCTR1 test rig** suitable for operating at the higher temperatures required. We also made a site visit to work alongside their engineers to optimise their separation process.



A company based in India purchased a laboratory size **SCMG1 Multi-Gravity Separator** for general testwork. Two of their engineers spent two days at our lab for training.