

CONTACT DETAILS

TECHNICAL

Geoff Childs
Paul Salter

SALES

Ian Daniels
Lynn Emanuel

SPARES & PROJECTS

Lyndon Collier

PRODUCTION

Jackie Rew

DESIGN

Neil Farnfield

TEL: + 44 1242 697771/691821

Fax: + 44 1242 690895

Email: sales@saltercyclones.com

Web: www.saltercyclones.com

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

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

GRINDING THE PROBLEM DOWN



Two SMART systems to control the process in very flexible grinding circuits have recently been despatched to the USA.

The task for this type of circuit is to keep the solids separation system at peak efficiency across a wide range of process conditions and product requirements.

Additionally, the system should not place constant demands on the plant personnel to make operational adjustments.

Our solution – two Salter Cyclones systems, one for each of the two grinding circuits based on different mill sizes and incorporating our extended 10 inch hydrocyclones. These systems make the required adjustments automatically so that the target product specification is maintained. This is despite significant variations in requirements for product tonnage and despite having to accommodate varying recirculating load percentages.

The client visited our laboratory to witness the capability of the hydrocyclones for this task. This was proved by test work across a range of feed conditions.



GERM CLONES



New design stainless steel Germ Clones have been installed to treat a distillery's spent wash reject slurry in order to recover valuable components for return to the revenue stream.

All parts of Salter Cyclones Germ Clones are cast with ¼" (6mm) wall thickness which gives better wear life and separation performance than can be achieved by competitors' units manufactured from pressed or spun steel.

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A SIMPLE SOLUTION

A SC2009, 9 way 2 inch assembly with stand and launder has been supplied to a client producing calcium carbonate. The assembly offers a compact and lightweight solution to packaging a number of hydrocyclones within the smallest footprint. The two inch hydrocyclones are treating the output from a Grinder to separate out the clay. The hydrocyclones' vortex finders are fitted with Salter Cyclones uniquely designed ceramic extensions which reduce residue in the product.

TESTING AROUND THE WORLD

Laboratory Mineral Separators have been supplied to Namibia, Russia and Canada for treating gold, copper and iron ore.



A Laboratory MGS has been supplied to a technical laboratory in Europe.



Additionally SCTR1Test Rigs have been supplied to Australia, Singapore, Japan and UK for a wide range of applications including graphene production, slurry recycling and hematite separation.

SPARES

Don't forget we can offer a full range of spares for Hydrocyclones, Test Rigs, Multi-Gravity Separator and Laboratory Mineral Separators.

Please contact our Spares Manager, Lyndon Collier for prices and lead times lyndon.collier@saltercyclones.com.



PLEASE DO NOT HESITATE TO CONTACT US FOR FURTHER INFORMATION ON ANY OF OUR PRODUCTS OR SERVICES

Salter Cyclones Ltd is committed to doing business ethically and has a Business Conduct policy in accordance with the UK Bribery Act 2011.