

“FIRST TO SEE WILL BUY” RINGS TRUE FOR SCOTTISH AGGREGATES PRODUCER GEDDES GROUP

The Geddes Group is meeting customers' demands through a much more productive and efficient washing solution offered by Terex Washing Systems (TWS) at their new site, Struan Quarry Edzell. The Geddes Group's sand and gravel reserves were running low at the Stannochry Quarry, which prompted the need to identify a new gravel pit site, as well as a new wash plant, as their current system was old and becoming inefficient. The requirement to produce a premium sand and gravel product to serve their concrete and asphalt business, led them to the AggreSand™, a cutting edge solution offered by Terex Washing Systems (TWS). This would address their high silt problem, with the ability to produce 3 aggregates and two sands, as well as meeting the need of their growing customer base.



The Geddes Group is a family firm established over 70 years ago, originating from an agricultural base, where they still own and operate farms as Geddes Farms. They also offer a full range of earthworks, tipping, recycling and muck away facilities, quarry aggregates, asphalt and ready-mix concrete products. The operation is based in Arbroath with depots, quarries and plants throughout east and central Scotland.



The Geddes family were the first customers to see the world's first AggreSand™ in operation, following the official launch event, and again at the Hillhead Show, UK, in June 2014. They could immediately see the benefits the AggreSand™ could offer them, in terms of modularity, small foot print and overall design. They particularly liked the concept of capturing their entire useable sand product, having previously used a traditional system that was not as efficient.

It was following these site visits and several consultations with TWS and their Scottish distributor, Blue Group, Scotland, that a decision was made to purchase the AggreSand™. Upon the first viewing of the plant, Frank Geddes, Managing Director, Neill Geddes, Plant Director and Graham Geddes, Director commented "on viewing the plant for the first time I immediately saw the benefits of the plant and it was evident it was the solution for Geddes. The access and serviceability features off the machines, along with the roll-out centrifugal pumps and roll out chute work, were especially valuable features. In addition the feed hopper design and capacity was a selling point. It was obvious from viewing the plant operating and the processing capability that a considerable amount of thought and design went into it."



TWS Distributor in Scotland, Blue Group, Scotland, and TWS applications and engineer's teams worked closely with the Geddes Group, firstly to identify their specific requirements in terms of desired products and specification. This involved several sites visits, feed material analysis, plant drawings and design modifications to suit their specific spec. Samples of the feed material were sent for further testing at TWS Headquarters in Dungannon. A full civils and plant layout drawing was provided, outlining the water and electrical; input/output points. The high sand to stone ratio suggested that the high capacity plant would be the most suited solutions for their specific needs. The service and support from TWS, along with their distributor, is typical of what customers can expect when purchasing a TWS product. TWS offer their expertise and highly skilled team of engineers to assist and guide the customer from the initial conception to final installation.



The plant was installed and fully commissioned at the Geddes site in November 2014, and was in fact the first AggreSand™ to grace the Scottish shores, with a further one since installed at another site in Inverness.

Neill Geddes, Plant Director, added "The expertise and support we received from TWS and Blue Group, Scotland, has been second to none, making the entire process easy. The plant has been producing effectively since it was installed. The HMI Control system, was a feature that struck me. The ability and ease of obtaining live data in terms of water pressures, flows, cyclone feed pressures as well as motor amp reading was very impressive. Undoubtedly the AggreSand™ 165 with its 16x5 screen and high

capacity 200tph sand plant will leave Geddes in a strong position to meet current demand and keep up with our ambitious growth plans.”

The feed material, natural sand and gravel, is pre-screened and fed from a loading shovel onto a H9 hopper. The top deck is fitted out with 24mm (sq) polyurethane modules and 12mm on the middle deck. The bottom deck is split 1/3rd 3mm and 2/3rd 5mm to produce two grades of sand, concrete and building.

From time to time, the concrete sand fraction on this site can be, what is referred to as “hungry,” however by utilizing the unique AggreSand™ cyclone underflow blending system we are able to transfer a percentage of fines from the building sand to the concrete sand, thus ensuring specification is maintained.

In addition the plant is producing three clean aggregates (10mm, 20mm and 40mm) for use as draining, landscaping and concrete stone.

Quarry Foreman, Charles Wallace, explained “The AggreSand™ is a delight to work with, it is extremely quiet running, no spillages and the belts run very smoothly, with no roll-back that can be a typical problem with some plants. I was also very impressed with the extremely fast installation and set-up, we were up and running in no time and are producing high quality products”



L-R: Tommy Glenn, Blue Scotland, Service Engineer, with “Poppy” the Geddes Dog, Justin Donnelly, TWS Application Specialist, Neill Geddes, Geddes Plant Director and Charles Wallace, Geddes Quarry Foreman

To find out more or to discuss specific washing requirements, contact us at TWS.Sales@terex.com or visit our dedicated website which provides an overview of the full product offering at www.terex.com/washing

About Terex

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For further Information contact:

Elaine Donaghy

Marketing Manager

Terex Washing Systems

T: +44 (0) 28 87 718 500

M: +44 (0) 7799437206

Email: elaine.donaghy@terex.com

200 Coalisland Road, Dungannon,

Co.Tyrone, N.Ireland. BT71 4DR

www.terex.com/washing

