

ARJES IMPAKTOR 250 SHREDDER / CRUSHER



ARJES IMPAKTOR 250 FEATURES

In preparation to produce the correct raw material to mix with **SMR**, The ARJES Impaktor 250 is a versatile shredder / crusher for various contractors including, Waste & Recycling Companies, Demolition Companies and Utility Companies professionals with various processing requirements.

The machine shreds / crushes a variety of the hardest materials such as Concrete Rubble with re-bar and soils mixture, Concrete railway track supports, Concrete Lamp posts, Asphalt slabs, Metal flooring tiles, Metal & Aluminium wheel rims, Tree roots, Waste Wood and Green waste, Hard plastics, Natural stones and C&I Waste.

The production from this machine is 0-40mm and a throughput of 80-110 tonnes per hour

Doyle Machinery Limited
Kitsmead Recycling Centre,
Trumps Farm, Kitsmead Lane,
Longcross, Chertsey,
Surrey,
KT16 0EF

SMR (UK) Ltd
Units 10a & 10b Norman Way,
Severnbridge Industrial Estate,
Portskewett,
Monmouthshire,
NP26 5PT



DOYLE MACHINERY Ltd & SMR UK Ltd - BLENDPLANT SMR MIXER

SMR (UK) Ltd

THE PROPOSED SOLUTION

Traditional recycling options are less than able to provide an acceptable recovery rate and therefore fail to reduce Industry costs and Carbon Footprint.

Our Company - **SMR (UK) Ltd** is the largest manufacturer/supplier of Hydraulic Binders which are used extensively throughout the UK to recycle excavated Utility Spoil with recovery rates close to 100%. In the last 5 years alone, **SMR** has been used in the recycling of over 2 million tonnes of excavated spoil that would otherwise have generated at least 1.4 million tonnes of the spoil being tipped into landfill. With the production of the NFSMR which our **SMR** creates when mixed with the spoil, 2 million tonnes of high-quality reinstatement material was available at a significant cost reduction when compared to traditional materials, some of which would be non-compliant.

The **SMR** Solutions -

SMR Batch Mix (Utility Waste)- This method is very cost effective and ensures that materials produced are compliant with the WRAP Quality Protocol. **SMR (UK) Ltd** have several batch mix sites also known as our Hub partners throughout the U.K. Customers can Tip their excavated spoil and collect **SMR** treated material for use as a high-



necessary vehicle movements offering customers a significant decrease in their Carbon Footprint. The fact that **SMR** treated spoil provides a massively improved material with performance increased by an average of 600% when compared with traditional Type1 Stone should not be overlooked and can be easily traced on a batch by batch protocol.

SMR (UK) Ltd also offer the batch mix solution via mobile units. We are proud to confirm that the 2 million tonnes recycled into the Utility sector have yet to result in a reinstatement failure. This is as a result of the unique performance of **SMR** treated spoil which provides a fully bonded reinstatement compared to the traditional block and beam effect that foam concrete creates.

SMR Ex-Situ Stabilisation -

For large open projects where there is an ongoing requirement for soil stabilisation or sub-base material in large quantities and there is space enough for the stock piling of spoil material onsite, an ex-situ set up offers flexibility as well as financial advantages.

A mixing unit can be set up onsite and the excavated material to be treated with the **SMR** additive can be stock piled until needed, ensuring that enough treated material will be available as and when required.

The first phase is a course screening where all

material fractions that are larger than 40mm are removed along with all organic material, following which, the basic sub-soil is loosened up. The soil is then weighed and blended with the desired percentage of the **SMR** additive, between 1-10%, dictated by the particular application and the base material moisture content.

This excellent construction material is especially suitable for use in road construction and civil engineering such as piling mats, haul road, car park bases, embankment and enabling works, channel construction, for utility reinstatements as well as stabilising waterlogged or contaminated land.



The BLENDPLANT Model E025 powder mixer blender is a fully automatic machine specifically designed for continuous blending and mixing of **SMR** with discharge conveyor. Applications include Soil Stabilisation to produce Hydraulically Bound Materials (HBM) for trench reinstatement's, Recycled Aggregates, Regenerated Asphalt, Cementitious mixtures, Proprietary binders, Cement and Lime and along with water or admixtures if necessary.

Doyle Machinery with its' dedicated staff offers tailored turnkey solutions for all aspects of materials processing equipment. The company has a wealth of experience going back to 1989 initially in crushing & screening machinery for the aggregate industries. Later in the 1990's, the company began specialising in waste shredding and in the design and supply of total turnkey waste recycling and processing equipment.

We are the sole Partner distributor and Importers for Arjes Gmbh Recycling Innovation Equipment and for BLENDPLANT MIXER BLENDERS We are also the main importer and distributor for the PRONAR TROMMEL SCREEN LINE for the south of UK and Ireland.

- Machinery & Equipment Sales, new and used. Machinery & Equipment Hire, short and long term
- Quality, Pre-owned Machines, Special Finance Packages, Extended Warranties option
- Service - Spares - Support

