

## SCRAP TYRE PROCESSING INTO TYRE DERIVED FUEL (TDR) AND OTHER RECYCLING PRODUCTS



Installation: Credential Environmental Ltd., Newton Aycliffe, U.K.

Equipment: TYRANNOSAURUS® 9905T Capacity 20 t/h (about 3,000 tyres in an hour)

Project description: The world's largest car tyre shredder to process about 70,000 tons of used car tyres in a year representing about 20 % of all scrap tyres to be disposed of annually in the U.K.

The produced particle size is 60 mm.

The tyres are loaded on a step feeder as bulk. There is no need to singularize the tyres before they enter the shredder.

A substantial proportion of the output will be delivered to a cryogenic process, where the chips are frozen in liquid nitrogen and further reduced to tyre crumb. The rubber crumb can be used as raw material for example for tartan on sporting fields.

The rest is sold to be used as substitute fuel in cement kilns.

Start-up August 2007