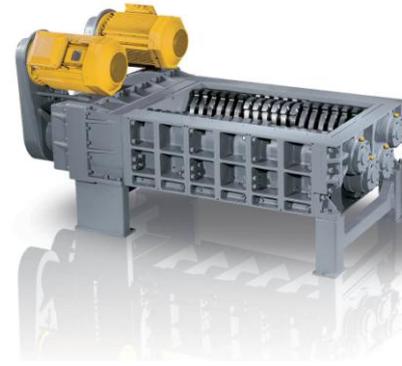


Waste shredder case study – an insight into the UNTHA RS60

Mike Dines, director of Tandom Metallurgical Group, shares his experience of the four shaft UNTHA RS60 waste shredder...

Tell us a little bit about yourself and your company:

[Tandom Metallurgical Group](#) is a processor and trader of metal scraps, based in Cheshire. I have been with the company since 2009 and was previously employed by Chinook Sciences and prior to that F E Mottram which is when I first met UNTHA UK's managing director Chris Oldfield. I have known him for about ten years now.



What was your shredding requirement?

Before we started talking to UNTHA UK, F E Mottram did not have any shredding machinery in place. However we knew we could benefit from this type of technology.

We wanted to process waste UBC cans at our Congleton site using RODECS technology – a patented, industrial-scale gasification system used to clean and remove organic components from metal scraps. However before we could de-coat, de-lacquer and dry the cans, to leave them completely clean and suitable for re-melting in furnaces, they needed to be shredded.

Why UNTHA UK?

I was already confident in Chris's knowledge and experience, and I had seen UNTHA shredders in action before, including the [UNTHA RS60](#), the machine we opted for. I knew that the design of this machine, with its four rotating shears and configurable screen, was perfectly suited to the shredding of UBC cans.

And the shredder in action?

Now, Tandom utilises the UNTHA RS60 for the processing of UBC cans which are opened up using the technology and shredded down to a 50mm particle size. After shredding, the ferrous fraction is removed using an overband magnet. Then, using an eddy current separator to remove the aluminium, we can either de-lacquer, re-bale or feed in to our own smelting furnace.

This new system which incorporates the UNTHA RS60 has been in operation for over four years, during which time we have found it to be reliable, incredibly productive and easy to maintain.

Summary:

The main challenge for an organisation like ours is to maximise the value of the scrap metal we process, to ensure we divert as much waste as possible from landfill. The UNTHA RS60 – an integral and value-adding piece of our recycling jigsaw – has enabled us to develop a new product range that brings numerous benefits to the secondary aluminium industry. As our metal processing requirements evolve we know that UNTHA UK will be at the core of our shredding solution.