**How it Works:**

The AT1500 Windsifter can separate out the lightweight material, also known as ‘lights, from the heavyweight material, also known as ‘heavies, in a given material stream. Material consisting of a mixture of ‘lights’ and ‘heavies’ is fed onto the infeed conveyor, where it is accelerated at speed towards the discharge point, whilst also being spread evenly across the width of the conveyor.

As the material comes off the end of the conveyor, it drops onto a rotating drum. As it falls onto the drum, a jet of air is blown through the material via the ‘Air-Knife’ The Air-Knife is connected to powerful blower fans. Its outlet is wide and narrow, spanning the full width of the infeed conveyor, and produces a stream of air that passes through the material falling onto the drum.

The ‘lights’ get carried away in this airstream and are blown out of the heavy material, whilst the ‘heavies’ drop straight down, ultimately separating them from the ‘lights! The ‘heavies’ can fall into a skip or storage area, or can be carried out to the side of the machine via the optional side conveyor, whilst the ‘lights’ can also be collected in a skip or storage area, or can be fed into another machine for further processing.

