

# Ranheat Engineering Ltd

As we know, all Companies do not have the same processes and wood waste comes in many forms. Not all of us have off cuts to burn in a stand alone hand loaded unit or maybe they have pieces larger than will fit without chipping. Many have dust extraction systems but do not want the expense or have the space for a large storage silo. Similarly many of us may not be in a position to have the wonderful automated system from our wish list but would like to have the benefit of a wood combustion system that can be added to at a later stage.



In recent years Ranheat has tried to address the demand for different loading processes. We began with our already established warm air heating products, which unusually have the benefit of hand loading off cuts and automatically screw feeding dust or hogged material into the same unit. We found many companies with wood waste in the form of dust or shavings fell in between the need to hand load and the expense and space for an automated system. Other companies with large off cuts and no dust or shavings felt the expense of a chipper/hogger and automated silo system prohibitive.



Our first innovation was in 1998 when we introduced a bag loader system for customers who have dust or shavings collected in bags. With the explosive nature of dust you are of course unable to hand load it safely into a unit, normally a silo and automated screw feed would be the only option. We developed the bag loader to safely hand load bags of dust through a small unit which screw feeds it directly into the heater. This is not a storage device but it bridges the gap between loading methods. When a company expands and an automated system is required it is simple to change over to a storage silo method using the existing heater.



In 2001 we introduced our latest product the Hogger Loader. Originally companies with large off cuts would have to load material into a hogger, which was then blown into a storage silo and then screw fed into the heater. The Hogger Loader eliminates the need for the silo and feeds the hogged material directly into the heater. Again if requirements change in the future, the company is able to replace the loading processes without having to purchase a new heating unit.

Ranheat's team responsible for product development have worked hard to produce intelligent and safe solutions. We are proud that our range covers the needs of any prospective customers that may otherwise find it difficult to find a suitable application.

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Companies grow and so it is important to look to the future when planning your wood waste disposal system. A primary need with many companies has been to establish extraction, disposing waste into skips. For years this was an acceptable solution, however with the continued increase of land fill tax and skip costs,



wood waste disposal has become increasingly desirable. Wood combustion boilers and warm air heaters have the added benefit of transforming a waste product into a source of heat. In many cases the reductions on heating bills and skip costs give a return on investment in less than three years.

Ranheat work closely with a variety of dust extraction companies each integrating completely with our wood combustion equipment, with projects using existing extraction being equally successful as ones that are installed simultaneously. Automated systems feed material into storage silos including dust, shavings and hogged material. The silos are constructed of steel, are painted to our customer's requirements and come in a range of capacities and diameters. If space is available standard silos can be extended to store more waste should customers requirements increase.



We also supply a Push Rod silo that has hydraulic arms which push waste into a transfer system, originally



designed to be used on existing extraction systems that are blown into skips. The benefit of this silo is it's compact nature, unlike our normal silos they are not spherical and do not require space above, making them a perfect solution whenever space is a consideration.

Many of our customers have grown, starting with one plant and extending, adding further plants and features. Some have moved to new factories

and have taken their heaters with them. This is made easier for those who have purchased our containerised systems. Many of our customers are proud to show other companies their systems and are happy to discuss the benefits they have received from our equipment. We have the flexibility to cater for the needs of all companies large or small and pride ourselves on our products; their strength and reliability have impressed all sizes of companies and especially those with previous experience of wood combustion systems.

