Waste Water Treatment Works
How the Samson® Feeder deals with a sticky problem

SAMSON has provided sturdy and long-lasting equipment to the waste water industry in the United Kingdom for more than 25 years. Samson® Feeders have been supplied across the country for use by companies including Yorkshire Water, Seven Trent Water Authority, Thames Water, Anglian Water, Southern Water, United Utilities and Degremont.

The Samson® Feeder provides an ideal reception unit for sticky materials due to the wide apron belt design and flexible side seals. This tried and tested design provides the strength of a chain feeder with the cleanliness of a belt conveyor. Surface installation of the Samson® Feeder not only eliminates the cost and time implications of underground pits and civil works but also allows for easier maintenance access and the flexibility to adapt the equipment to potential changes to the site.

At waste water treatment plants the Samson® Feeder can be used for various functions. Typically the feeder acts as a truck reception unit to receive sludge cake for processing. Sludge cake can also be used as a fuel and the feeder provides an interface to supply the power plant. In some treatment plants the Samson® Feeder provides a useful horizontal storage area. Full dust and odour control measures are incorporated into the Samson® Feeder to suit the particular application.
**Key Features**

- Wide apron belt design preventing bridging and clogging
- Flexible side seals to prevent spillage
- Buffer capacity to maintain a steady flow of material
- Environmental controls for dust and odour
- Robust, reliable proven design

**Benefits**

- Designed in accordance with WIMES specifications
- Surface mounted providing ease of maintenance and reducing costly civil works
- Viewing hatch allows operator to be confident in correct operation
- Ideal for wet and sticky materials
- Adaptable to changing site requirements
- Easy to maintain

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**Data**

<table>
<thead>
<tr>
<th>Samson® Length:</th>
<th>10m</th>
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</thead>
<tbody>
<tr>
<td>Samson® Series:</td>
<td>450 Super</td>
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<tr>
<td>Samson® Output Rate:</td>
<td>Typically up to 120m³/hr</td>
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<tr>
<td>Typical Materials:</td>
<td>Sludge Cake</td>
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</tbody>
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SAMSON Materials Handling
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