The Renneburg Rotary Sludge Dryer is your final step toward controlling sludge disposal costs. For more than 100 years the Renneburg Division of Heyl & Patterson has been manufacturing Thermal Processing Equipment. Our Rotary Dryer expertise has been employed in a variety of industrial applications. Using our proven designs and our pilot plant testing and development capabilities the Renneburg Rotary Sludge Dryer can:

- Reduce sludge volume by as much as 80%.
- Reduce sludge transportation costs.
- Recover valuable product.
- Reduce moisture content to less than 1%.
- Reduce landfill and disposal costs.
- Make your sludge easier to handle.
- Produce a useable product.
The Renneburg Sludge Dryer is an industrial workhorse, engineered to accept bulk quantities of wet sludge in a variety of sizes, shapes and consistencies and provide a uniformly dried product. This versatility rests in the fact that thorough pre-conditioning of the feed stock is not always necessary. In addition the Renneburg Rotary Sludge Dryer can accept swings in feed moisture and particle size without system upset or shutdown. These features make for an extremely flexible machine which can be adjusted to changing sludge conditions.

**Features Available on Renneburg Rotary Sludge Dryers**

- **Heat Sources** - Renneburg Sludge dryers can operate using either direct or indirect heat sources such as natural gas, propane, oil or steam.
- **Feeding Systems** - Various options including: extruders, delumpers, agitators, screws or augers can be utilized to optimize product surface area and promote more efficient drying.
- **Materials of Construction** - Can be varied to suit corrosive characteristics of the feed stock or temperature requirements of the drying conditions.
- **Processing Variables** - Such as shell speed, shell slope, gas temperature, and air flow can be changed while operating to accommodate varying feed conditions.
- **Optional Equipment** - Sludge dryers can be equipped with dust collection equipment, baggers, thermal oxidizers and heat recovery options.
- **Sludges Treated** - Most types of hazardous and non-hazardous sludges may be treated.

**Renneburg Sludge Dryers Standard Configurations**

<table>
<thead>
<tr>
<th>Model</th>
<th>Feed Rate @ 30% Solids</th>
<th>Evaporation Rate</th>
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</thead>
<tbody>
<tr>
<td>315 PF/CF</td>
<td>730 lbs/hr</td>
<td>456 lbs/hr</td>
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<tr>
<td>420 PF/CF</td>
<td>1,700 lbs/hr</td>
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<tr>
<td>525 PF/CF</td>
<td>3,400 lbs/hr</td>
<td>2,125 lbs/hr</td>
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<tr>
<td>630 PF/CF</td>
<td>5,900 lbs/hr</td>
<td>3,688 lbs/hr</td>
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<tr>
<td>735 PF/CF</td>
<td>9,260 lbs/hr</td>
<td>5,788 lbs/hr</td>
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<tr>
<td>840 PF/CF</td>
<td>13,830 lbs/hr</td>
<td>8,644 lbs/hr</td>
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</tbody>
</table>

*Note: These numbers are examples and could vary depending on your requirements.*

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