MITSUBISHI Smart Dryer
(Double disk type dryer)

**Process flow**

- **Sludge feed pump**
- **Dewatered sludge** *(Water content 80%)*
- **Smart Dryer**
- **Dried Sludge** *(Water content 50%)*
  - Adjustable in the range between 10% to 50%
- **Steam**
- **Carrier gas**
- **Exhaust gas**
- **Exhaust gas fan**
- **Scrubber**
- **To Deodorizer**
- **Discharged water**

**Features**

- **Highest efficiency = Less steam consumption**
  Mitsubishi Smart Dryer is one of the highest efficiency dryer in sewage sludge treatment field, and can achieve less steam consumption.

- **Suitable for sticky sludge in Asian countries**
  Because of its unique shaped disks and double counter rotating shafts, Mitsubishi Smart Dryer can dry various sludge stably, even very sticky sludge in Asian countries.

- **Utilization as Biomass fuel**
  The dried sludge can be utilized as biomass fuel in a boiler, cement kiln and Waste to Energy facility etc, because Lower Heating Value (LHV) of the dried sludge is approximate 5,000 kJ/kg to 6,500 kJ/kg (in case of Asian typical sludge at water content rate 40%).
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Reference plants

105 ton/day x 2 units in Japan
operated since 1988

15 ton/day x 1 unit in P.R.China
operated since 2012

In your inquiry, please provide the following information.

1. Treatment capacity ___ ton/day
2. Source of sludge ___ (sewage/industrial/others)
3. Available steam ___ MPaG, ___ degree C
4. Water content of dewatered sludge ___ % at dryer inlet
5. Water content of dried sludge ___ % at dryer outlet

Dimension

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Length [mm]</th>
<th>Width [mm]</th>
<th>Height [mm]</th>
<th>Weight [ton]</th>
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<tbody>
<tr>
<td>MSD-20</td>
<td>4,858</td>
<td>2,083</td>
<td>1,600</td>
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<td>MSD-50</td>
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<td>75</td>
</tr>
</tbody>
</table>

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