The ANDRITZ PowerScrew slewing screw reclaimer is designed to reclaim materials with small particle sizes including wood-based biomass, chips, flakes, bark, peat, sludge, REF (Recovered Fuel), and RDF (Refuse Derived Fuel). It provides uniform and reliable reclaiming from silos with diameters from 5 to 15 meters. The PowerScrew is a cantilevered slewing screw reclaimer, which has two independent functions: slewing with two torque motors through the stored material around the central point, and reclaiming with the variable speed screw through a chute in the center. The screw construction allows constant slewing torque with a torque motor for reliable and constant discharge. Together with a heavy-duty screw shaft, the slewing torque exerts constant pressure on the stored material. The unit is capable of powerful slewing even under severe conditions.
Uniform reclaiming of small particle size materials

The variable pitch in the flights of the screw ensures uniform reclaiming of the material from the entire bottom area of the silo. The double flights at the discharge end prevent uncontrolled flows into the process.

Main service points and drive components are easily accessible outside the silo. All the wear parts are easy to replace from conveniently accessible service points. The special discharge screw construction enables easy screw replacement during a short shutdown (approximately one work shift). The replaceable sleeve screw - available for silo diameters of up to 9 m - with all the wear parts is bolted onto the solid shaft. Welding is not required when the screw is replaced.

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. cap. (m³/h)</th>
<th>Silo diam. (m)</th>
<th>Max. volume (m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPC 40</td>
<td>Chips 5 - 8</td>
<td>650</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bark 5 - 8</td>
<td></td>
<td></td>
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<tr>
<td>RPC 60</td>
<td>Chips 8 - 13</td>
<td>2,400</td>
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<tr>
<td></td>
<td>Bark 7 - 10</td>
<td>700</td>
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<tr>
<td>RPC 80</td>
<td>Chips 8 - 1</td>
<td>2,000</td>
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<tr>
<td></td>
<td>Chips 12 - 15</td>
<td>2,600</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bark 8 - 12</td>
<td>1,000</td>
<td></td>
</tr>
</tbody>
</table>

Cutaway view of PowerScrew slewing screw reclaimer

**BENEFITS**
- Uniform reclaiming
- Highly reliable operation
- Easy access to service points
- Special wear resistant materials

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