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# Repairing Wear Parts








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## Routine Maintenance: Replacing Wear Parts

Any machine that has moving or rotating parts requires routine maintenance to ensure that it performs at optimal capacity. This is especially true of size reduction equipment which has grinding elements that will wear over time.

Inspecting and replacing wear parts:

Periodic inspection and replacement is essential for components that will wear. To avoid costly downtime, we recommend that one set of each of each of the following components be kept on hand:

		Important to Know	When to Replace
Hammers		<ul style="list-style-type: none"> <li>Depending on the application, hammers will be either 2-way or 4-way reversible, indicating the number of rotations possible before replacing.</li> <li>Hammers should be rotated when the cutting edge is well rounded and the machine is not at top efficiency.</li> <li>Hammers should always be replaced in factory balanced sets.</li> </ul>	Replace hammers when both/all cutting edges are rounded.
Hammer Rods		<ul style="list-style-type: none"> <li>As a best practice, hammer rods should be inspected each time hammers are rotated replaced.</li> </ul>	Replace hammer rods once they become grooved.
Screens & Bar Grates		<ul style="list-style-type: none"> <li>Screens, or bar grates, are a key factor in determining finished particle size.</li> </ul>	Replace screens or bar grates when the perforations become elongated (screens) or bar edges become rounded (grates).
Wear Plates		<ul style="list-style-type: none"> <li>Wear plates and liners are common on equipment processing hard and/or abrasive materials. These replaceable components protect the mill housing, extending the life of the machine.</li> </ul>	Replace liners and plates when they show signs of thinning. Earliest signs of thinning will be seen around the bolts.
Bearings		<ul style="list-style-type: none"> <li>Bearings carry the load of the rotor and can wear out over time. It is recommended that they be replaced in pairs.</li> </ul>	Replace bearings if they give off excessive heat, the outer ring begins to spin, the bearing shows signs of vibrations within its housing, or if the bearing emits unusual whines or squeaks.