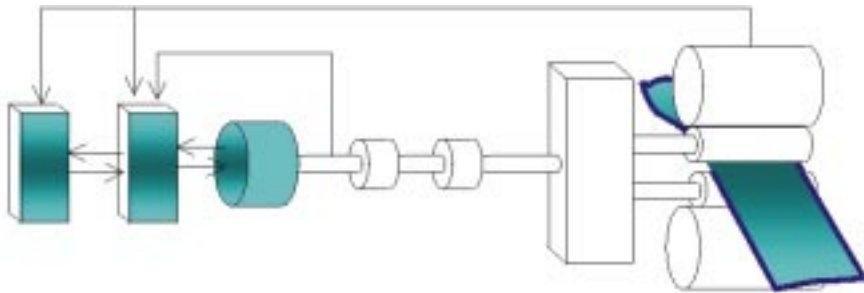


Drive Dynamics Analysis

- Are you utilizing your drive system optimally ?
- Do you have vibrations, or impacts causing wear and tear or unplanned stoppages ?
- Do you want to know what caused the mechanical break-down of the drive train ?
- Are you planning a revamp, and want to compare the performance of different revamp options ?



The dynamic performance of your drive system (including convertors/invertors, motors, couplings, shafts, flywheels and load) is simulated and analyzed. Based on the simulation and analysis, we recommend actions to improve the utilization of your drive systems, and to give optimal dynamic performance.

From basic mechanical data and measurements of standard drive signals we can analyze:

- Dynamic performance of the installed drive properties.
- Effect of process disturbances; e.g. load shocks, on the mechanics.
- Expected results of retuning the existing drive system.
- Expected result of using different gear ratios, couplings etc. for revamps.
- Expected results of replacing drive system / motor.

Advantages

- Optimize the performance of the drive system, including electrical and mechanical parts.
- Minimize wear and tear.
- Improve yield and quality.
- Reduce plant downtime.
- Choose an optimal revamp.

The results are summarized in a report, with recommended actions.



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