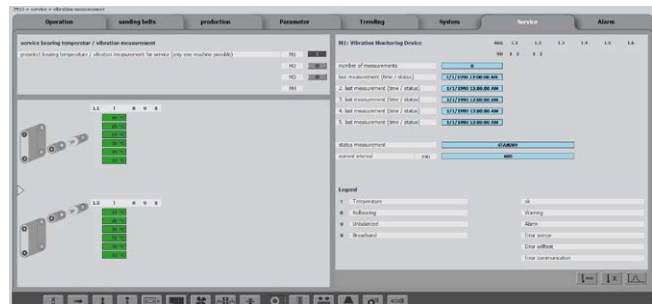


Machine Condition Monitoring

The automatic vibration measurement option provides reliable data regarding the bearing condition and the imbalance of the drums. Vibration monitoring enables early detection of bearing damage, as well as clear differentiation of damage types. This is the basis for a detailed analysis of the fault causes.

Benefits of vibration measurement:

- Prevention of time-consuming and costly repairs
- Intelligent, plannable and predictive maintenance
- Increase in system stability and availability

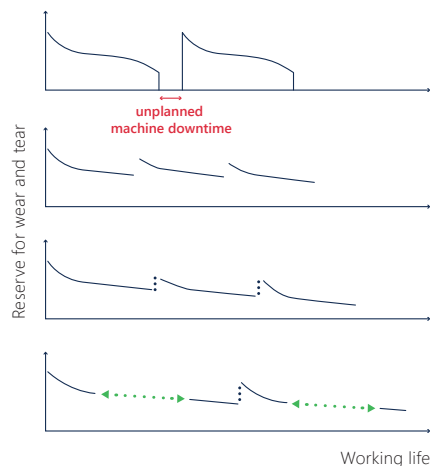


Aim of vibration monitoring of the high-speed drums:

- Condition-oriented maintenance
- Early detection of a possible failure of the installed drum bearings
- Evaluation of the urgency of replacement

Suitable for:

- Satos TSQ
- Satos **with** Control Upgrade (CUS) **to** the Siemens control (Siemens CPU S7-1517F)



Breakage maintenance (RM):
long downtimes since not plan-
nable consequential damage

Preventive maintenance (PM):
regular replacement of all
important parts

**Condition-based
maintenance (PDM):**
Plannable specific replacement,
info on machine condition

Proactive maintenance (PRM):
Condition-triggered balancing,
alignment and lubrication / Extends
the working life of the machine