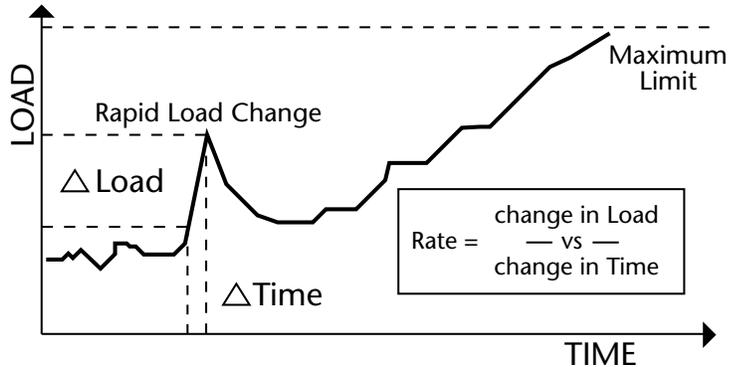


# JAM DETECTION ON CONVEYORS AND INDEXING MACHINES

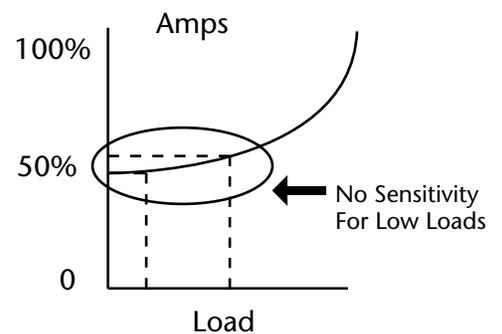
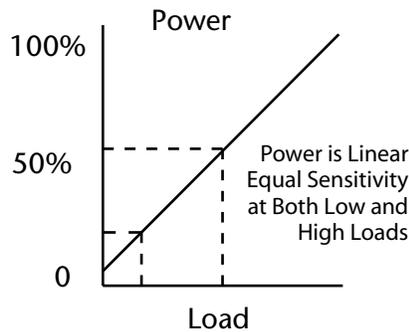
At first blush it would seem that detecting a jam-up on conveyors or other material handling equipment would be pretty simple. Just set the maximum load your equipment can handle.



But, this is only half the equation. Jam-ups can occur even when the conveyor is lightly loaded. These rapid changes in load can also do damage. So, in addition to the maximum load limit, a “rate of load change” set point is needed to protect against problems when equipment is lightly loaded.

## WHY MONITOR POWER INSTEAD OF JUST AMPS?

It is also important to measure motor power (KW or HP) rather than just amps, since current sensors have limited sensitivity for low loads. And regardless where the jam-up occurs, response needs to be rapid to avoid costly damage.



## THE ROC-50 LOAD CONTROL

- Rate of Change Set Point reacts to sudden load changes.
- Maximum Set Point limits the total load.
- Fast Response – 25 milliseconds.
- True Power sensing for maximum sensitivity.
- Ideal for betrig conveyors and material handling equipment.