



Applying the technology with automatic balancing opens up a path of solving imbalance problems by continuously balancing your machine. In this way noise and vibrations are reduced, expected time of life increased and manufacturing cost decreased.

An automatic balancer is fitted on the rotating shaft, which contains freely movable balls. The balls will then position themselves in such a way that they compensate for variations in imbalances within a fraction of a second.

ÅF-Ingemansson offers the complete chain in the technology of automatic balancing from concept studies with computer simulations over designing prototypes and all the way to delivering custom tailored automatic balancers.

Typical applications:

- Grinding machines
- Propellers
- Centrifuges
- Separators
- Pumps
- Washing machines
- CD and DVD players
- etc...

Benefits

Suitable applications for the technology are where the imbalance in the machine varies or where it is impossible or too costly to rebalance after every change of the imbalance.

Good examples are the grinding disc of a grinder, the laundry in a washing machine, fans or any machine where the imbalance are changed after service or when the balancing in production are costly in the manufacturing. Automatic balancing gives several advantages:

- Less vibrations
- Less noise and especially structure born noise.
- Longer expected time of life.
- Extended time between maintenance.
- Simplified design of machine supports.
- Reduced manufacturing costs due to that the balancing procedure could be simplified or avoided and also due to that the machine does not need to be designed for withstand high imbalance forces.

