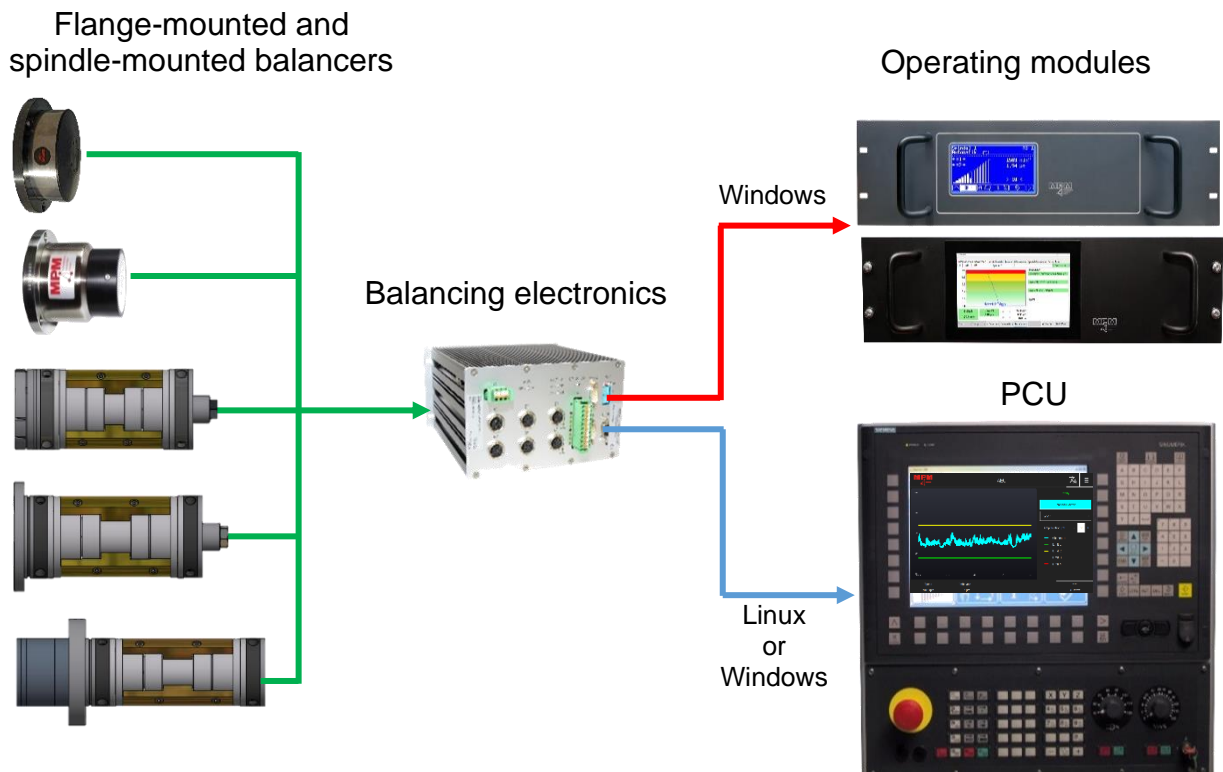


# Balancing + AE-acoustic sound emission

**Largest selection of proven technology at a small price!  
For grinders who want to reach the maximum results with the minimum of effort.**

- Flexible choice of operating system, e.g.: Linux, Windows ( $\geq 7$ ).
- Accessible via network (CAN bus Raspberry network).
- For machine manufacturers: e.g. design of their own user interface, (source code for the customer-specific user interface is provided).
- Via Profibus, the AE signals can also be configured via fast outputs to the PLC, for controlling e.g. the feed axis.  
This means: no operating module integration = reduced costs!
- Combination with proven components of the AB/KM 240/300/340 series for the applications automatic balancing and AE acoustic emission sound system.
- Adaption to future device generation AB400.



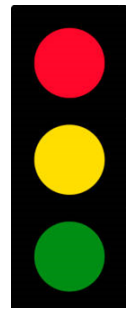
- ✓ Approx. 25% production time gain
- ✓  $\mu\text{m}$ -precise contact detection in  $< 1\text{ms}$
- ✓ Crash avoidance and dressing control
- ✓ Optimization and maintenance of precision through automatic permanent unbalance control
- ✓ Languages: CN, DE, EN (more possible on request)

**Everything from a single source, with 50 years of experience!**

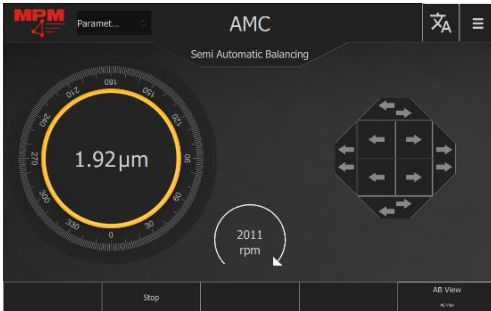


# Balancing + AE-acoustic sound emission

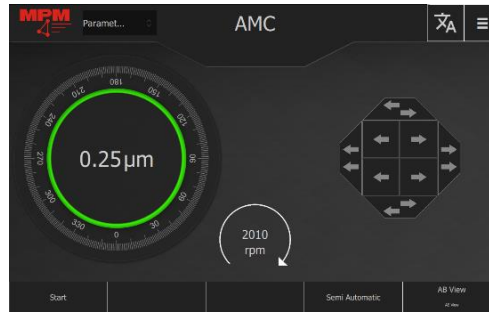
## For all grinding machine users



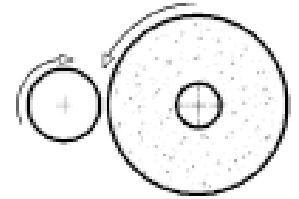
Display-Examples:



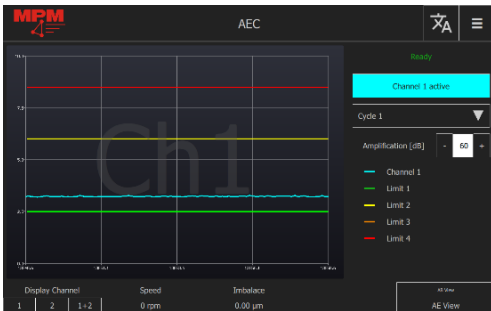
Fully and semi-automatic balancing



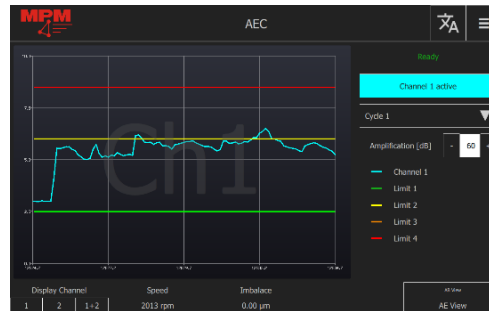
Unbalance reduction > 95% in Ø approx. 1-2 minutes



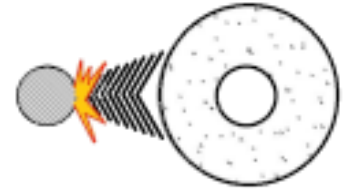
Contact detection in < 1ms reduces air grinding time, prevents collision and monitors the dressing



AE acoustic sound emission signal „Ground noise“



AE acoustic sound signal between two limits



Like a traffic light: simply and easy to understand.

You determine the limits with 4 adjustable limits!



AE acoustic emission sound signal. Limit exceeded



Example: Grinding wheel dressing

**Safety through speed!**  
With the 2-channel AE acoustic emission sound system, more than 80% of all grinding machine users gain immediate and economical benefits!  
Also for retrofitting