

Vibration Overload Collision Detection



Highlights:

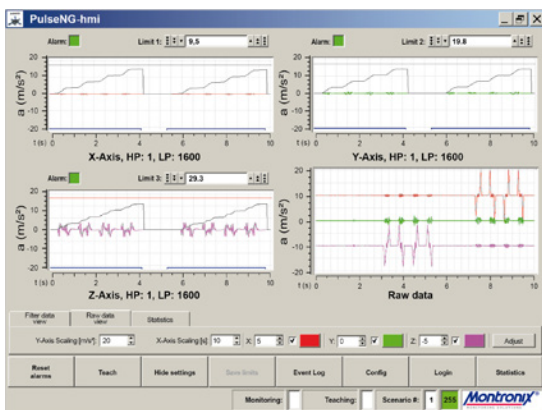
- Reaction Time ≥ 1 ms
- 3D Detection
- Log book / Black Box
- Independent of Machine and Controls

Vibration overload and collision detection

Description

What we take for granted in automobiles today, we are completely left without when it comes to machine tools, robots, handling systems, and machining centers: Systems to detect collisions and vibration overload! The 3-axis acceleration sensor **PulseNG** by Montronix is the equivalent of the automotive airbag to minimize consequential damages to machines and machining centers.

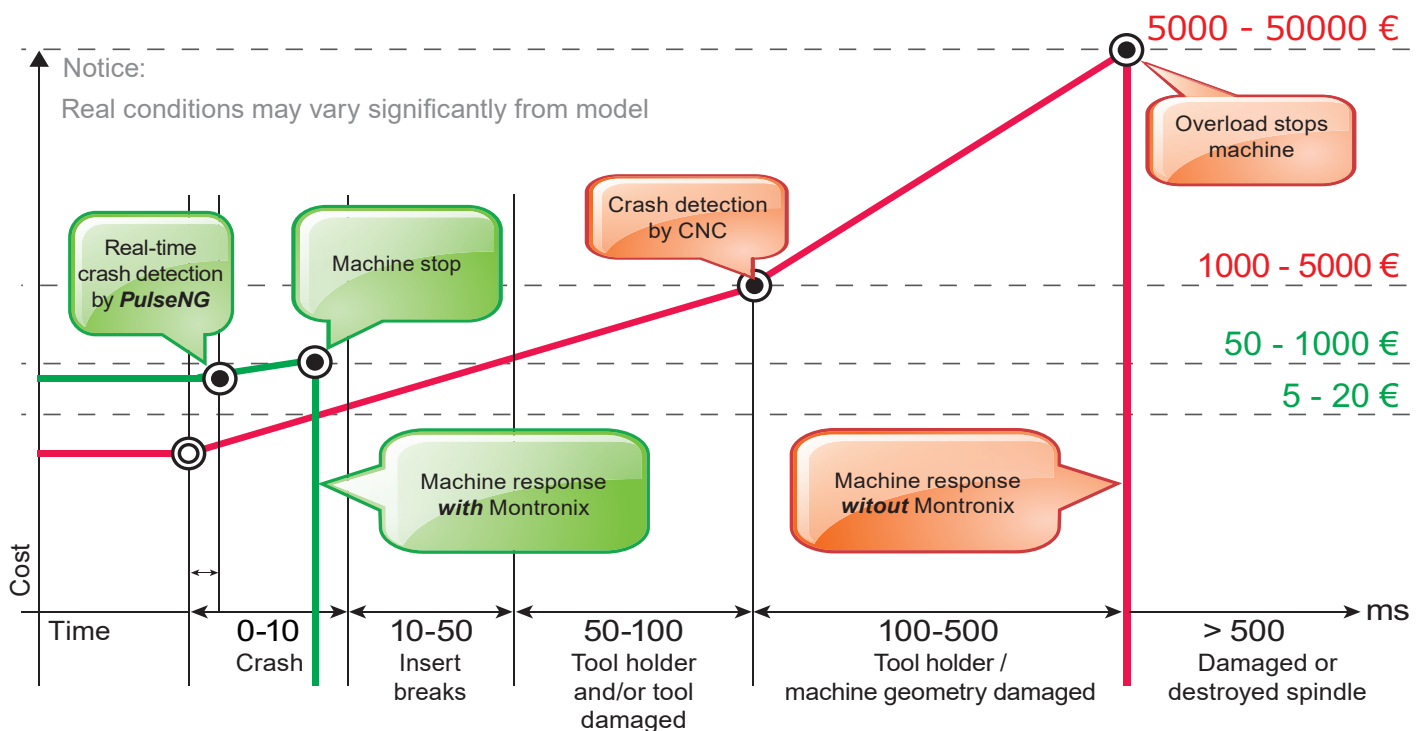
There are numerous reasons to protect machines and facilities from human and mechanical failure. Major collisions necessarily result in high overhaul cost and long down times. A quick reaction by our new generation **PulseNG** system and an effective deceleration of the machine are critical factors in minimizing consequential and substantial damages.



Reduced down time and material costs plus improved planning reliability with:

- Reaction time ≥ 1 millisecond
- 3D vibration analysis
- Log book / Black Box
- 3 limit values for machine protection
- Independent of machine and controls
- No need for NC program adaptation

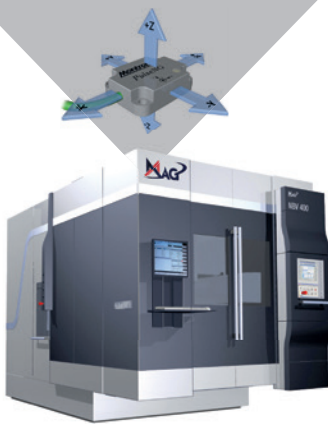
Your benefits with the Montronix system:



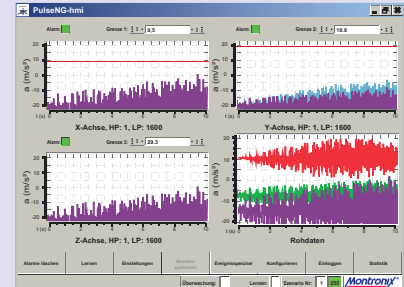
■ Application Example



Simple,
flexible
attachment
with
magnets.



PulseNG-hmi
visualization
software



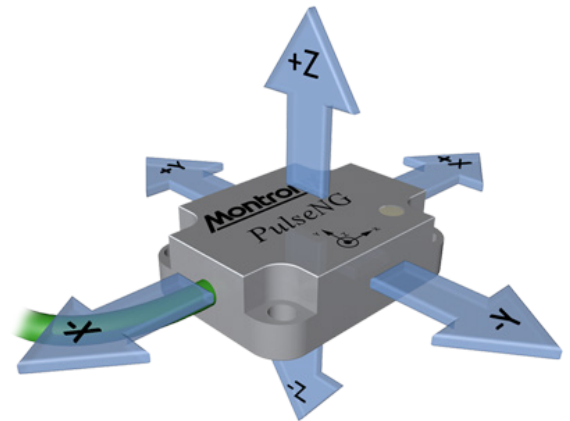
IBU-NG



built into the control cabinet

System Benefits:

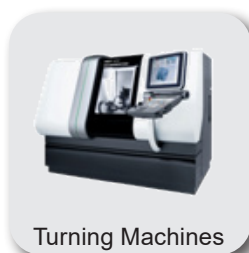
- Increased machine availability
- Little or no production down time
- Substantially minimized consequential damages
- Shorter machine down times
- Reliable detection, quick reaction
- Extended machine life
- Simple integration and handling



Multiple Applications:



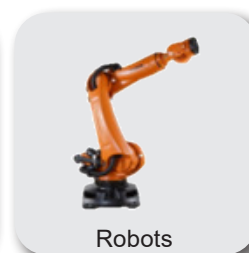
Machining Centers



Turning Machines



Grinding Machines



Robots



Handling Systems

GLOBAL COMPETENCY



Better be safe. Safely be better.

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