

torque for bending machines

Work Piece and Tool Breakage Control via Monitoring of Motor Torques

Situation:

If the breakage of a work piece during the bending process is not detected, the bending tools and the bending machine itself may get damaged. The machine may be stopped and unplanned downtimes and high repair costs can be the result. In case of critical bending sequences an operator must therefore always be present to monitor the bending process.

Solution:

iQtorque for bending machines detects work piece as well as tool breakages and stops the machine automatically, either immediately or at the end of a cycle, depending on the settings used. Possible damages to machine and tools are minimized. The individual machine axes are monitored by an envelope curve of the motor torque.

Your benefits:

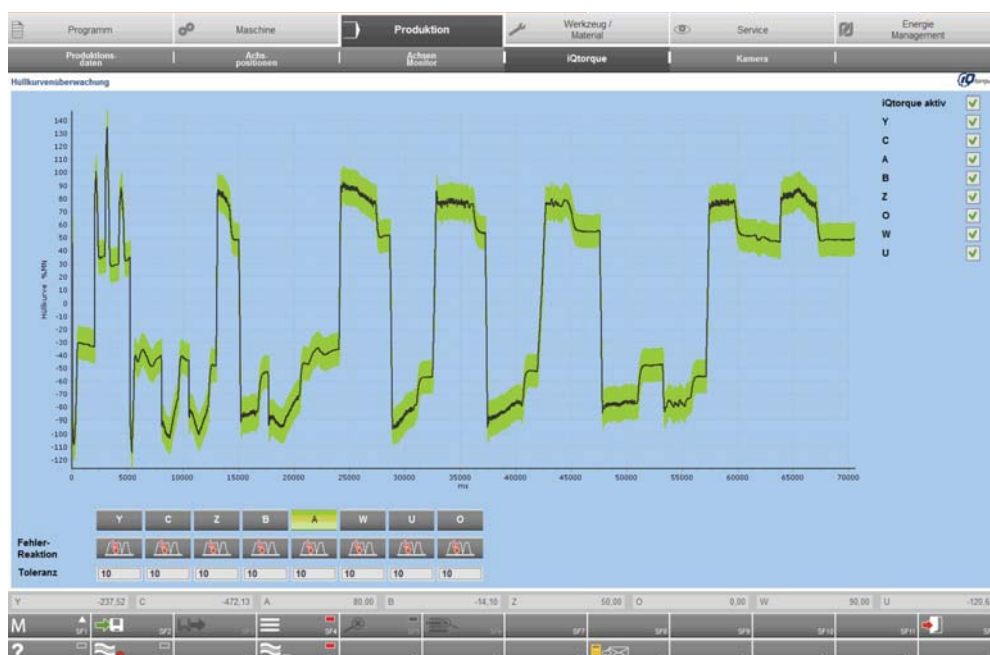
- Protection of machine and tools by automatically stopping the machine in case of work piece or tool breakage
- Decreasing downtimes
- Reduction of repair costs
- Reduction of operating errors
- Increase security during unmanned operation

Requirements:

- Measurability of the parts is subject to examination of the component drawing
- No changes to the bending process once the axis are monitored, e.g. changing the override

Available machine types:

- BMZ machines
- RBV machines
- Compatible machine sizes on request



WAFIOS Machinery Corp.
27 Northeast Industrial Road
Branford CT, 06405 USA
Phone: (203) 481-5555

Fax: (203) 481-9854
sales@wafios.us
www.wafios.us

Midwest Technical Center
9830 W. 190th Street, Unit D
Mokena, IL 60448 USA

Note scope of delivery and restrictions mentioned in quote © WAFIOS AG 2019