

smartbend for bending machines

Quality and Performance Enhancement by Automatic Optimization of Bent Parts

Situation:

When bending long wire and tube parts, the work pieces frequently vibrate heavily due to the bending process. Often, the required quality can only be achieved by slowing down and adjusting individual process steps manually. This process is error-prone and increases costs due to a higher time and material consumption.

Solution:

iQsmartbend automatically optimizes the vibration and output of bent parts. The tool motion profiles are optimized automatically at the push of a button and are then transmitted to the machine. An online interface to a WAFIOS computer cluster provides the required computing capacity. The result is an NC program which reduces the vibration of work pieces and thus increases the output.

Your benefits:

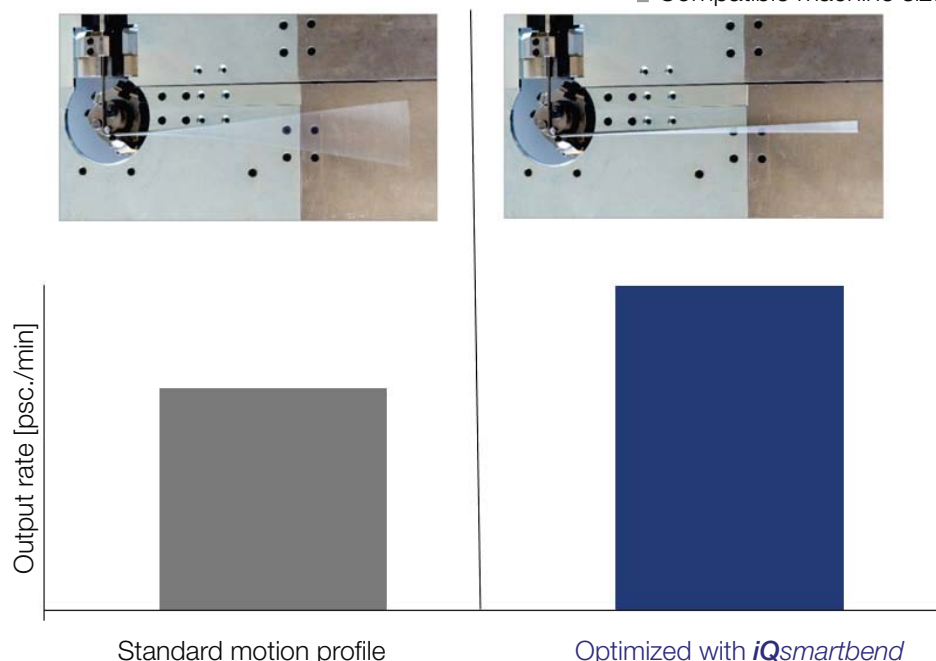
- Increased output with consistent quality through active reduction of vibrations
- Increased machine availability due to shorter set-up times
- Less rejects during set-up
- Faster set-up due to the automatic calculation of ideal NC parameters
- Operator assistance through simplified set-up process

Requirements:

- WAFIOS VPN Connect

Available machine types:

- BM machines
- BMU machines
- BMS machines
- BT machines
- BMZ machines
- BL machines
- Compatible machine sizes on request



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