WAFIOS

Simulation of the Bending Process with Collision Control and Cycle Time Determination

iQwire

for wire bending machines

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Precision Machinery for Wire and Tube

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- Collision control
- Accurate production planning
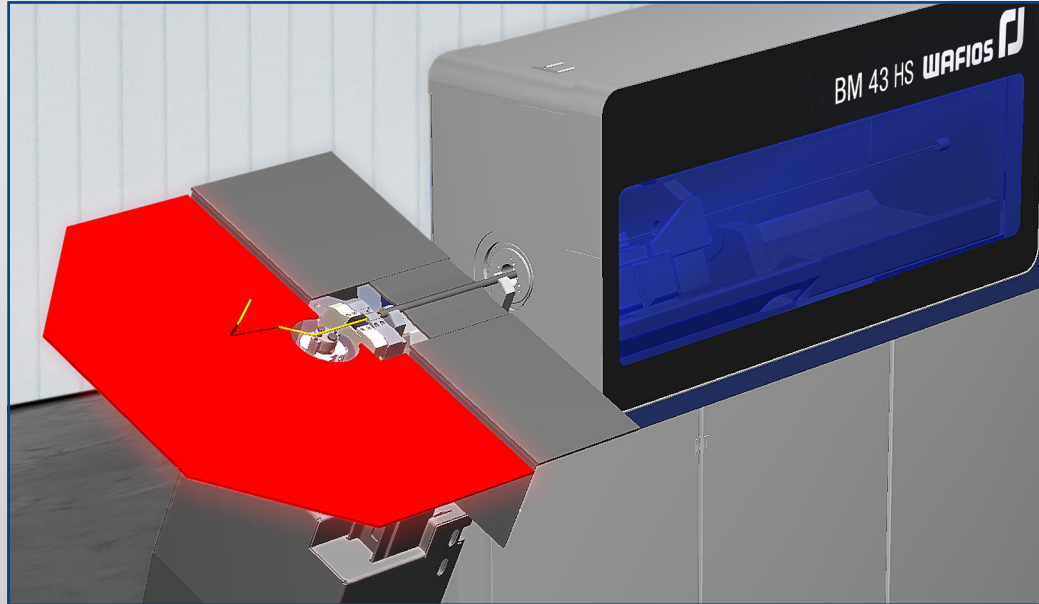- Less rejects during the set-up
- Feasibility simulation before the bending process
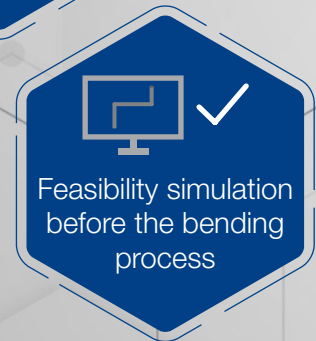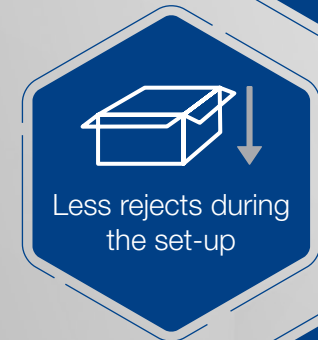
Situation

- When setting up complex bent parts, the operator has to test the production process slowly several times in order to make sure that the wire does not collide with the tool

- However, the set-up process ought to be as fast as possible to minimize downtimes

Solution

- The bending process can be graphically visualized with *iQwire*

- Furthermore, the production output can be determined already before or while the part is being set up

- Thus the reject rate and risk of collision is reduced during set-up

Requirements

- Application of WAFIOS Tools

- Geometrical programming