

tube⁺ for tube bending machines

Simulation of the bending process with collision avoidance and performance increase

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. At the same time, however, the set-up process ought to be as fast as possible to minimize downtimes.

Solution:

With *iQtube⁺* the bending process can be graphically visualized and optimized while the part is being set up. If a collision is predicted, collision-prevention solutions are automatically generated. Next, the maximum output of each collision-free bending sequence is displayed. Based on this simulation, the opening paths of the clamping jaw and backstop unit can also be automatically optimized which increases the output significantly.

Your benefits:

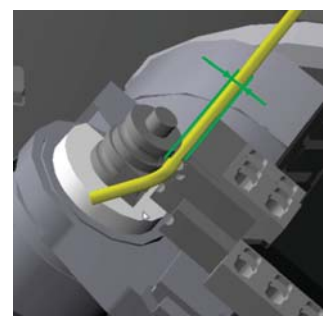
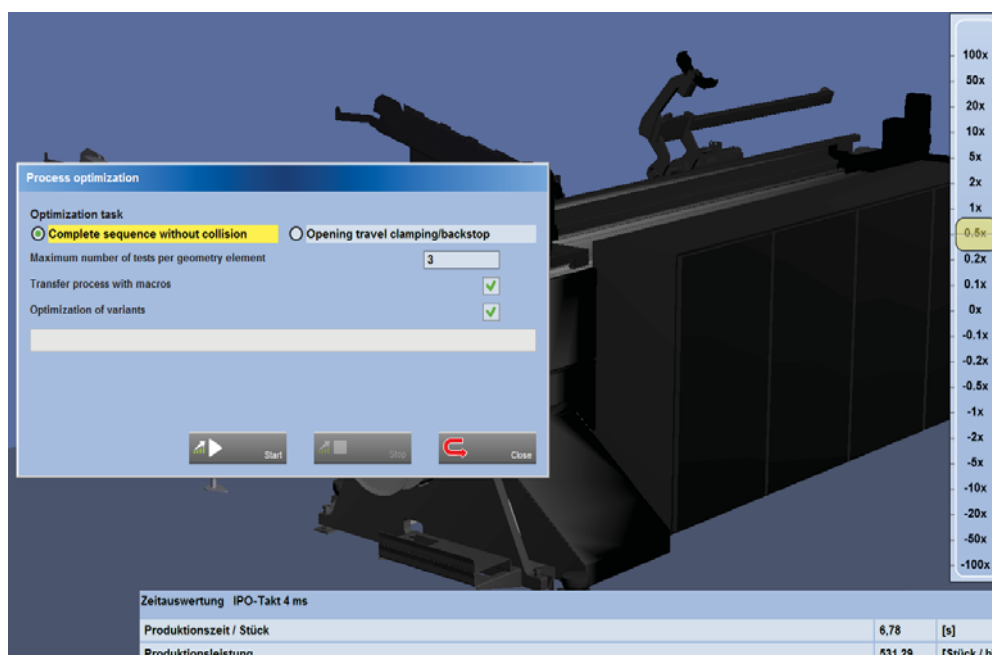
- Collision control by simulating the entire bending process
- Determination of cycle times for accurate production planning
- Less rejects while setting up the machine
- Feasibility simulation before the bending process

Requirements:

- Application of WAFIOS Tools

Available machine types:

- RBV machines
- Compatible machine sizes on request



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