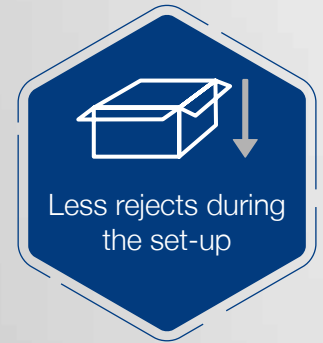


**Reduction of Set-Up
Work due to Simple
Adjustment of the
Production Sequence of
Single- or Multi-Layered
Wave Springs**



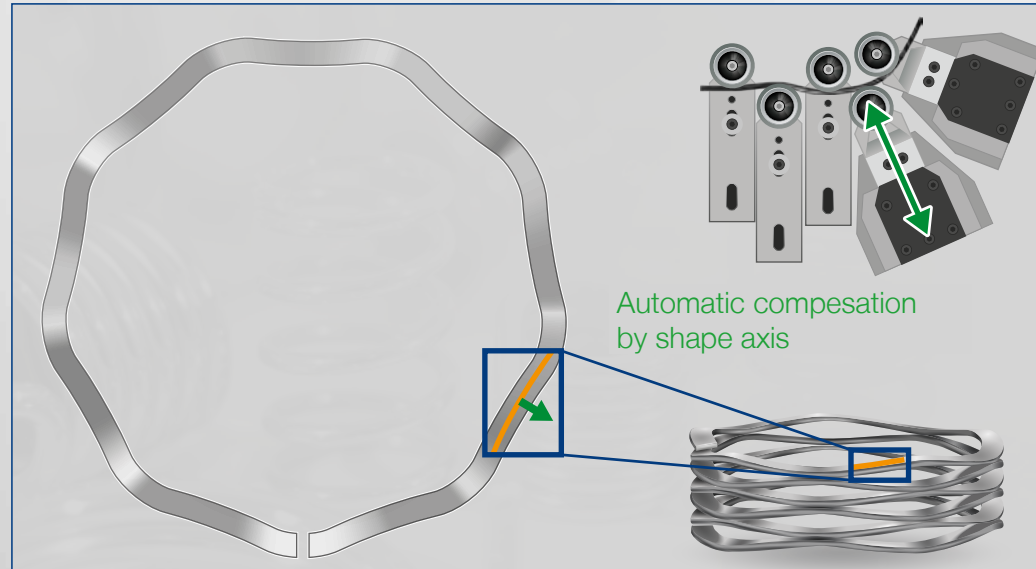
for
wave spring machines



Situation

- During the production of wave springs, the outer diameter is changing based on the pitch value: If the pitch is increased, the outer diameter becomes larger. If the pitch is decreased, the outer diameter becomes smaller
- However, an even outer diameter is required to ensure an ideal fit of the wave spring
- This requires a manual adjustment of the program
- This process is error-prone and increases costs due to a higher time and material consumption

Solution



- *iQwavespring* enables an automatic calculation of motion sequences for compensating diameter changes due to pitch changes
- Instead of a manual optimization of all motion sequences, only one value has to be set for the entire geometry program
- This considerably reduces set-up time and the number of rejects

Requirements

- Single- or multi-layered wave springs