

# **iQ**control for compression spring coilers

## In-Process-Control of spring Length, End Position and Diameter

### Situation:

Variability in the properties of the wire and changing external conditions causes variances in the spring length and the diameter. Standard-control systems just correct the next produced spring and are not able to compensate all variance of each spring. The result are rejects with higher material and production costs.

### Solution:

*iQcontrol* uses one or more high-resolution cameras to measure the spring in process, even before it is completely wound. The subsequent calculations make it possible to influence the same spring before the end of the wind process. So every spring is individually and in-process corrected. As a result, *iQcontrol* significantly reduces the variation of the spring length and diameter, resulting in higher and more consistent quality.

### Your benefits:

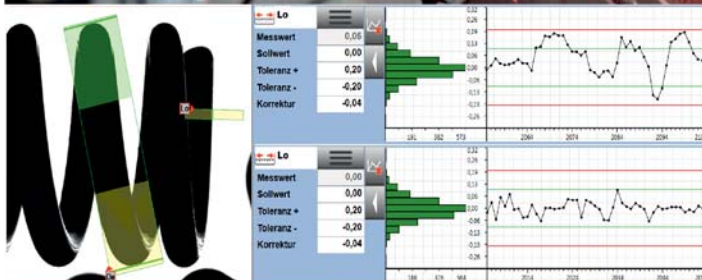
- Significant minimization of rejects through in-process control of each individual spring
- Optimization of machine capability due to decrease of variance of spring length and end position
- Increased process reliability through self-learning control

### Requirements:

- Measurability of the parts are subject to examination of the component drawing

### Available machine types:

- FUL-machines
- Compatible machine sizes on request



Conventional Camera control



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