

control for compression spring coilers

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

Situation:

Fluctuations in wire properties as well as changing external conditions result in variations in spring length and diameter. Standard control systems only correct the following spring and are thus not able to compensate the individual fluctuations of every spring. This results in rejects and a corresponding increase in material and production costs.

Solution:

iQcontrol uses one or more high-resolution cameras to measure the spring during the coiling process before it is finished. Based on the subsequent calculations, the currently produced spring can be corrected even before the coiling process has been completed. Thus each spring is corrected individually and during the production process. As a result, *iQcontrol* significantly reduces the variation of spring length and diameter, and is thus ensuring enhanced and more consistent quality.

Your benefits:

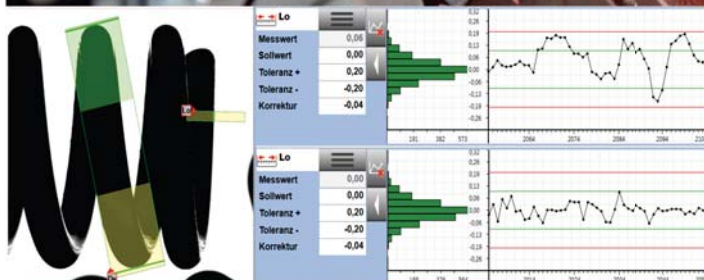
- Significant reduction of rejects through in-process control of each individual spring
- Enhanced machine capability due to reduced variation of spring length and end position
- Increased process reliability through self-learning control

Requirements:

- Measurability of springs is checked by means of the component drawing

Available machine types:

- FUL machines
- Compatible machine sizes on request



Standard-Kameraregelung



WAFIOS Machinery Corp.
27 Northeast Industrial Road
Branford CT, 06405 USA
Phone: (203) 481-5555

Fax: (203) 481-9854
sales@wafios.us
www.wafios.us

Midwest Technical Center
9830 W. 190th Street, Unit D
Mokena, IL 60448 USA

Note scope of delivery and restrictions mentioned in quote © WAFIOS AG 2019