

autopitch for compression spring coilers

Automatic Pitch and Diameter Correction with an External Measuring Device

Situation:

Setting up springs on a spring coiling machine is very time consuming and thus decreases the machine availability. Furthermore, reject springs are produced until a dimensionally stable spring is achieved.

Solution:

With *iQautopitch* the spring's pitch and diameter can be automatically corrected. The pitch and diameter of a spring are measured by an external measuring device and the measured values are compared to a reference spring stored in the system. The resulting correction values for the pitch and diameter are automatically calculated by *iQautopitch* and are then transferred to the geometry data in the WPS 3 program. The next spring produced is thus adjusted to the stored target geometry. Due to this process, only minor manual adjustments are necessary even when complex spring geometries are produced.

Your benefits:

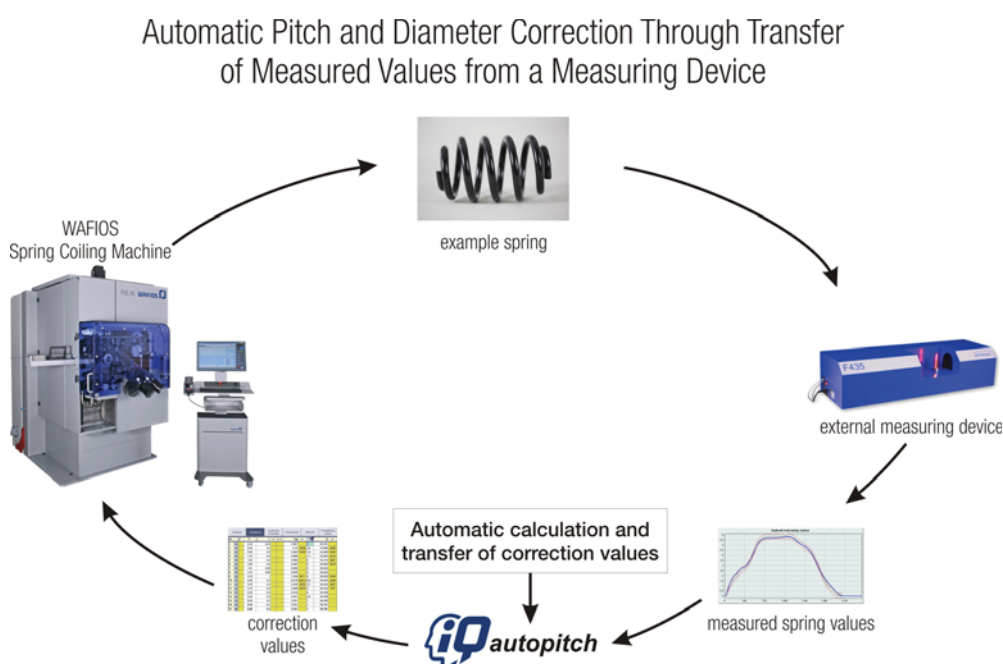
- Increased machine availability due to shorter set-up time
- Less rejects during the set-up of the machine
- Faster set-up due to automatic calculation of correction values
- Process control also for large batches
- Operator assistance through simplified set-up process

Requirements:

- Suitable measuring device
- Reference spring for comparison
- Function of *iQautopitch* is subject to examination of the spring drawing

Available machine types:

- FUL machines
- FSE machines
- Compatible machine sizes on request



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