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Precision Machinery for Wire and Tube

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In-process control of straightened rods' straightness



for straightening machine





Note scope of delivery and restrictions in quote © WAFIOS AG 2023 en. - C03/23

Situation

Solution

 Wear of straightening dies and different coil diameters within a wire coil result in variations in the straightness of rods. This results in rejects and a corresponding increase in material and production costs.

0,8 Measured value_{Max} - Staffering 0,7 0,6 diameter 0,5 Measured value = ACTUAL diamet SET diameter iation [mm] 0,4 **Control limit** 0,3 0,2 0,1 0 Rod no.

- *iQ*straightcontrol enables the in-process control of the straightened rods' straightness.
- The straightness of each rod is optimized during the production of rods, based on the measuring results provided by *iQm-straight* by means of the automatically adjustable spinner.

Requirements

- iQm-straight
- Adjustable spinner
- Cutting length range: 410-2,000 mm, depending on wire diameter and material quality.
- Wire diameter: 2.5 7.0 mm
- Max. output 80 pcs / min
- Ribbed reinforcing steel cannot be measured