

## ***iQ*Inspect for the First Time Used in Connection with Aicon 3D Measuring Cell TubeInspect HD on WAFIOS CNC Wire Bending Machine**

***iQ*Inspect** is a new, WAFIOS-developed control function integrated in the WAFIOS Programming System WPS for (automatically) correcting errors detected in dimensional accuracy checks of bent wire parts. This new ***iQ*** function is presented as part of the new CNC coiling and bending machine WAFIOS B5 at the EMO in Hannover.

Both are presented in cooperation with Aicon 3D Systems GmbH and the thoroughly tried and tested TubeInspect HD measuring cell. In the past, this measuring cell already checked and corrected tubes bent on WAFIOS tube bending machines. Now this is also possible for parts bent on WAFIOS wire bending machines.

First, the target data is exported into the TubeInspect software. Then the bent wire part is measured, the results are compared to the target data and the correction data is fed back into the WAFIOS Programming System. After some, but no more than three or four cycles, the bent wire part corresponds to the target specifications and production can be started.

The ***iQ*Inspect** and Aicon measuring cell package is particularly profitable for manufacturers who produce small batches of parts with complicated geometries, where short set-up times are a crucial criterion.

Manufacturers of parts that demand high dimensional accuracy will also see the benefits of this package.



Fig. 1. WAFIOS B 5



Fig. 1. ***iQ***Logo