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WAFIOS RE Performance Straightening and Cutting Machines - Get the Job Done

Designed for the most commonly needed wire straightening and cutting-off applications the RE series have an excellent price/performance ratio. With a defined package of options and a modern user interface based on High-Performance machine. Performance machines are manufactured based on the WAFIOS know-how acquired over many years.

Looking specifically at the RE range, this means that even the basic versions of the machines are made to suit the majority of standard wire-straightening and cutting applications. A package of additional options is available for applications with more complicated requirements than this. The successful Performance machine concept is founded on the desire to reach as wide a range of customers as possible even with simply the basic version of a machine - and it does this with selling points that include excellent value for money.

Even the basic versions of the RE wire straightening and cutting machines boast an extensive range of features and are exceptionally easy to use. The machines are operated using a control panel, and screens provide the option of entering data such as the wire diameter, feed speed, basic pay-off unit speed as a percentage, input and display of the total piece count, and so on. There are also several functions integrated into the control panel, including roller opening and closing, jog mode, cover strip opening and closing, pay-off unit brake release and application, and error messages.

The cut release function, which uses a manually adjustable release head, is a method of triggering a cut electromechanically via a lever. Its advantage is the constant, extremely low level of length tolerance - maintained at +/-0.2 mm/m - that it allows during production, as this results in higher product quality standards.

Expanded Range of Uses Thanks to Optional Equipment Versions, Catering to Customers' Needs WAFIOS offers numerous option packages to ensure that the RE range is able to meet customers' requirements as effectively as possible.

One option accommodates the production of short rods at a high cutting output rate and with a fixed stop. The fixed stop in this case is a mechanical stop, and this widens the range of products that can be produced on the machine.

Yet another option is the WAFIOS comfort package for the RE range. This includes additional equipment for driving a straightening rotor with a frequency converter as well as feed speed compensation, designed to reduce the number of rods that are too short when the machine is started up. The custom-controllable rotor speed makes it possible to adjust the rods in order to suit the material being processed. A 10-15% increase in machine output can be achieved depending on the nature of the application.

A directly attached construction, the tilting station is the ideal choice for boosting machine availability. It offers the advantage of enabling rods to be removed and collected during production, and tipped into a rod end alignment device or other transport equipment. There is also the option of using the rod end alignment device to create bundles that can go on to be processed in welding machine magazines immediately afterwards, saving significant amounts of time.

Pic. 1 WAFIOS RE 30

Pic. 2 WAFIOS RE Control Panel

Pic. 3 WAFIOS RE Cutting Unit