

# Wire Straightening and Cutting Machines for the Production of Straightened Rods made of Round Wire



Performance Series  
**RE 30–50**

## Performance Series RE 30–50

▼ Straightening rotor + Stationary cutting unit



▼ Directly attached construction with release head and tilting station (option)



### Our Accomplishments for your Benefit

- Designed for the most commonly needed wire straightening and cutting-off applications
- Excellent price/performance ratio
- Defined package of options
- Modern user interface based on High-Performance machine
- Performance machines are built on the basis of many years of WAFIOS know-how

### Design Features

- Low-cost basic equipment
- Stationary cutting unit
- Frequency-controlled feed unit, straightening rotor with constant speed of rotation, cutting unit with servodrive
- Cut release via release head
- Fixed stop for short lengths (option)
- Tilting station, rod-end alignment (option)
- Comfort package (option) with adjustable speed of spinner, low waste production at start of the machine

▼ Graphical operator guidance touchscreen



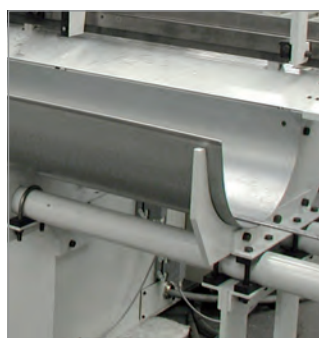
# Quality, Reliability and Efficiency – WAFIOS Straightening and Cutting-Off Machines

## New Definition of Productivity

WAFIOS Performance machines feature an optimized scope of standard equipment and a defined number of options.

The machines assembled are based on the engineering know-how WAFIOS AG acquired over the past decades. All of them are equipped with a high-end control system.

A high output and high machine availability are the result.



▲ Collecting trough



▲ Tilting station

## Quality

For more than 130 years the name WAFIOS has stood for the highest in terms of quality expectations, safety standards and technical innovation in German manufacturing systems engineering.

## Reliability

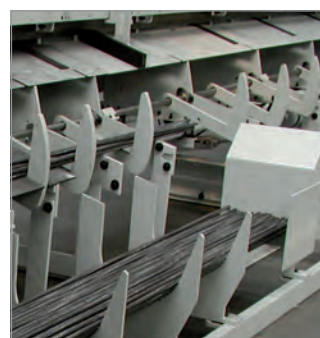
Strict quality controls, state-of-the-art production systems and many years of experience guarantee that your investment is in safe hands. Our global service network ensures high availability of WAFIOS machinery.

## Efficiency

High production output and a long service life will save money and shorten the amortization time of your investment.



▲ Tilting and collecting station

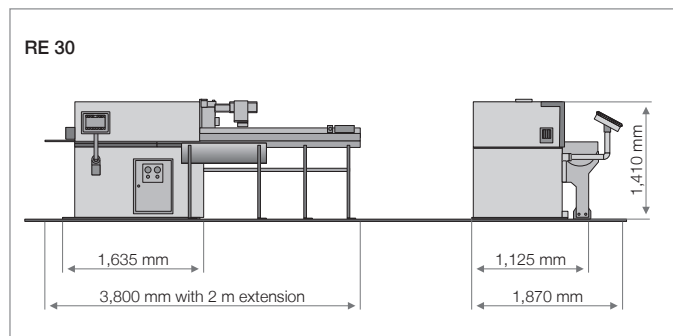


▲ Stop of tilting station and rod-end alignment

Technical data	RE 30	RE 40	RE 50
Wire Ø: 400 – 800 N/mm <sup>2</sup> 800 – 1.200 N/mm <sup>2</sup>	2.5 – 7.0* mm (optional****) 2.5 – 6.5 mm	4.0 – 10.0* mm (optional*****) 4.0 – 9.0 mm	5.6 – 12.0** mm 5.6 – 10.0 mm
Feed speed:	5 – 160 m/min	5 – 160 m/min	5 – 160 m/min
Shortest cutting lengths with flat wire guide: with release head with fixed stop	250 mm 25 – 250 mm	250 mm 25 – 250 mm	250 mm 25 – 250 mm
Max. cuts per minute: with fixed stop (option)	160 cuts/min 276 cuts/min	120 cuts/min 220 cuts/min	120 cuts/min 220 cuts/min
Space requirement: (l × w × h)	1,635 × 1,125 × 1,410*** mm	2,750 × 1,290 × 1,470*** mm	2,750 × 1,290 × 1,470*** mm

\* Cold-rolled reinforcing steel, measured across the ribs  
 \*\* Cold-rolled reinforcing steel, nominal wire diameter  
 \*\*\* incl. control cabinet

\*\*\*\* From 2 mm with additional tools and inserts (optional)  
 \*\*\*\*\* From 3 mm with additional tools and inserts (optional)



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Precision Machinery for Wire and Tube