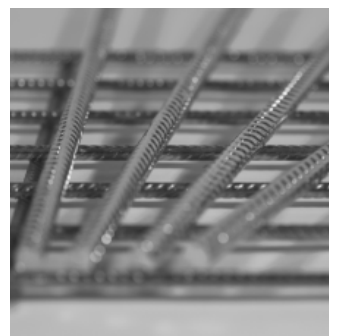


## Straightening and Cutting-Off Machines for the Production of Straightened Rods from Reinforcing Steel

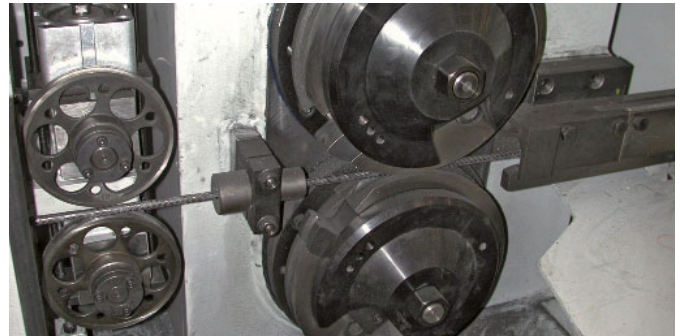


RB 53

# RB 53

▼ Infeed with straightening and cut

▼ Rotary cut and measuring wheel



## Our Accomplishments for your Benefit

- Processing of cold- and hot-rolled materials
- More powerful while offering even more operating convenience
- Minimized tooling times
- Tools from the RBK 51 can be used

## Design Features

### Efficiency

- Push and pull rollers for wire feed
- Robust rotary straightening system
- High-performance cut
- Latest power electronics

### Infeed

- Separately driven infeed modules
- Pneumatic clamping pressure for opening and closing
- the feed modules at the control panel

### Cut

- Rotary cut
- Cutting without that the wire comes to a stop
- Reduction of noise and wear due to servo drive

### Cut release

- Manually adjustable release head (option)
- Length measuring device (option))

### Reduced set-up times

- Convenient input of feed speed, spinner speed, cutting length in combination with length measuring device
- Convenient solution for storage of tools

## Tools

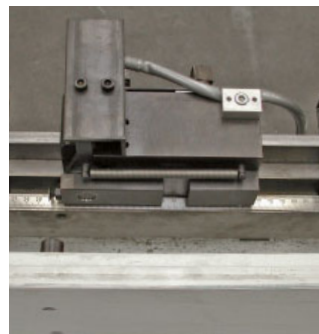
- Standard tools on stock
- Stamping tools for the application of processor marks (option)
- Tungsten carbide straightening dies (option)

## Straightening

- Reliable straightening system with 5 pairs of dies
- Variable spinner speed
- Spinner with feed funnel (option)
- Spinner with hyperbolic rolls (option)

## Extension

- Rod stopper for catching rods
- Tilttable station, buffer station (option)
- Rodend alignment unit (option) capacity 1.5 or 3 to for rod length of 3 meters



▲ Cut release by manually adjustable release head



▲ User interface

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

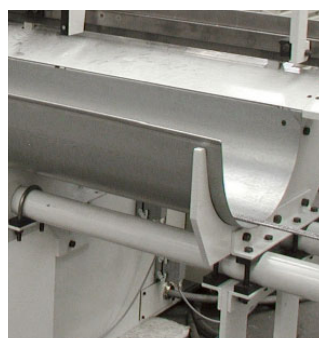
## New Definition of Productivity

WAFIOS RB machines have been designed for the production of straightened and cut-off reinforcing steel rods. They provide new technical solutions for increasing your output and optimizing costs.

The standard equipment of these machines includes 4 drives. As an option, the machines can be fitted with an additional push roller pair and a straightening system with a larger spacing to use the machines also in the larger diameter range.

Further options are a wire end detection device and an extraction unit for the reduction of wear at tools and at the machine as well as various extension possibilities for increasing the machines' efficiency.

Solutions for an alternative input of production data from external stations are available



▲ Collecting trough



▲ Tilting station

## Quality

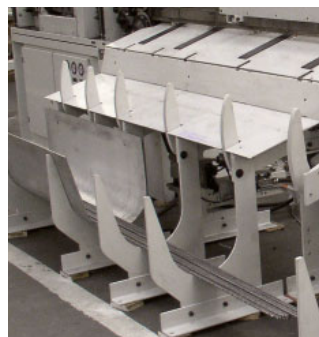
For more than 125 years, the name of WAFIOS has been synonymous with highest quality, safety standards, and technical innovations in the German machine manufacturing industry.

## Reliability

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

## Cost efficiency

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



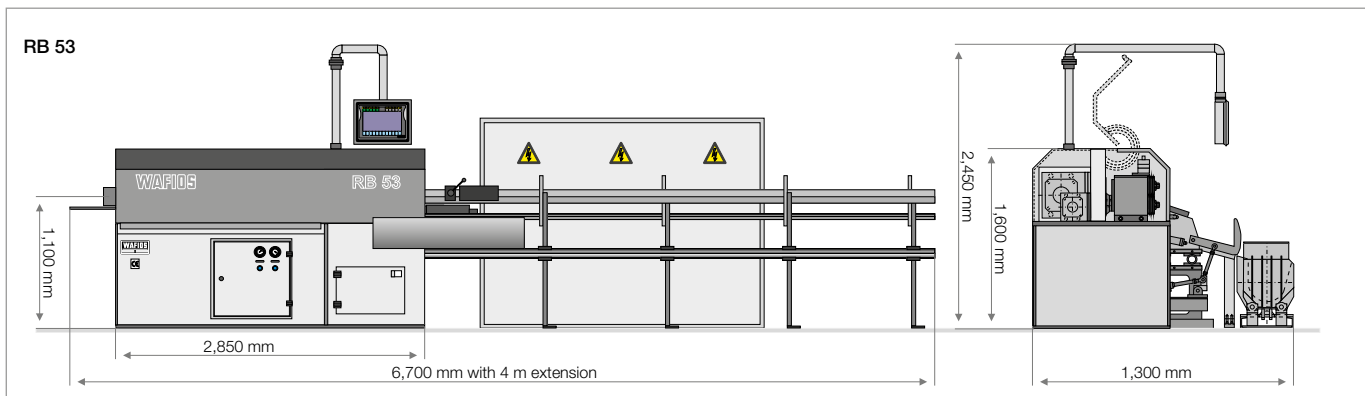
▲ Tilting and collecting station



▲ Stop of tilting station and rod-end alignment

Technical Data	RB 53	RB 53 B
Feed rate	15 – 160 m/min	15 – 160 m/min
Nominal diameter, cold and hot rolled** 500 – 900 N/mm <sup>2</sup>	6.0 – 12.0 mm	8.0 – 14.0 mm
Shortest cutting lengths with measuring wheel (length tolerance +/-1 mm/m) with release head (length tolerance +/-2 mm)	500 mm 1,600 mm	500 mm 1,600 mm
Cuts per minute max.	max. 80 Cuts/min	max. 80 Cuts/min
Space required (w×h×l) (without straightening extension and pay-off)	2,850 × 2,450 × 1,300 mm	2,850 × 2,450 × 1,300 mm

\* Scale > 0,5% on request



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