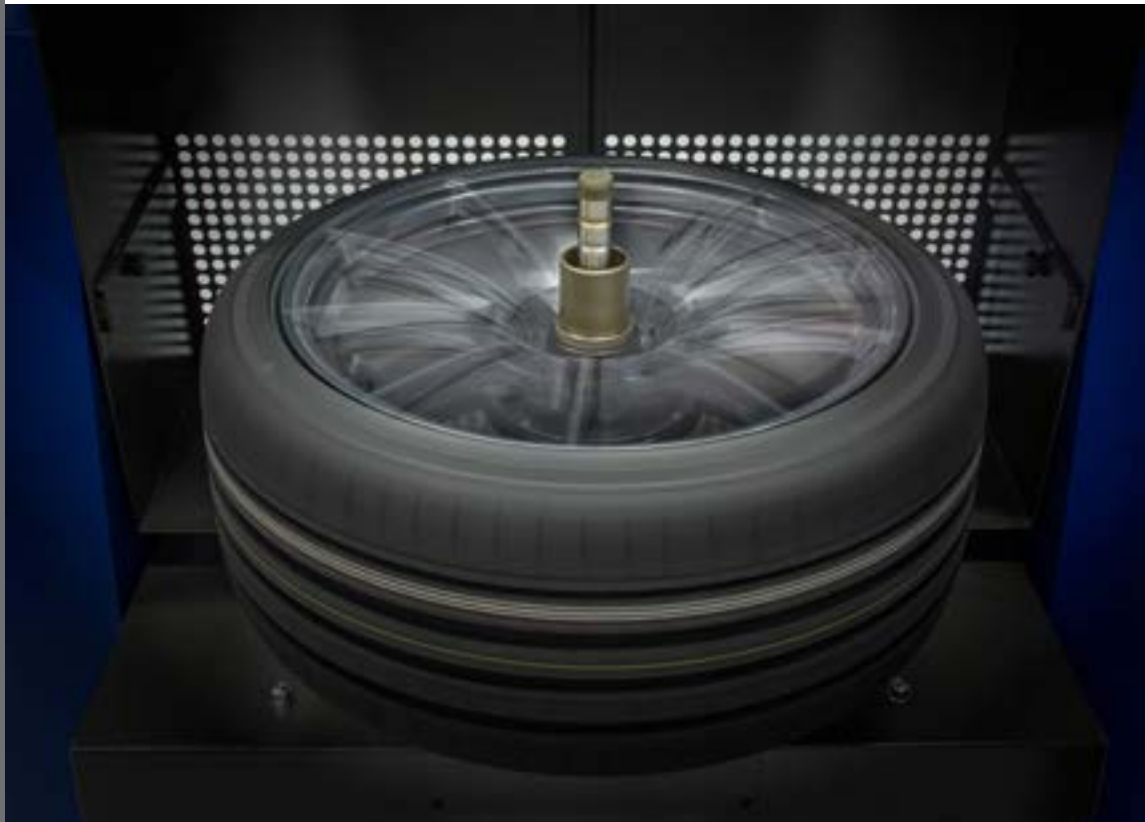
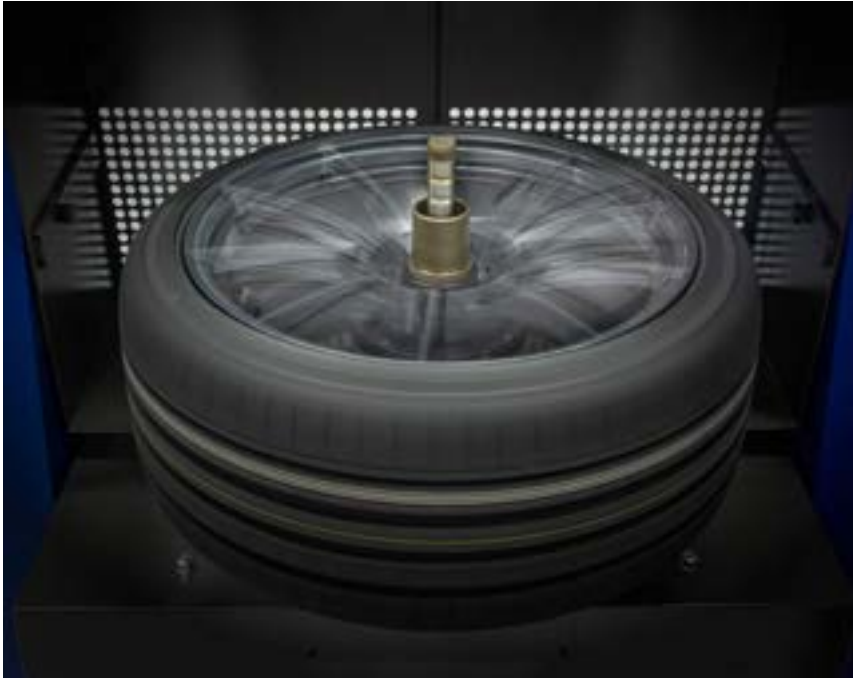


PRODUCT CATALOG BALANCING MACHINES





Your partner for mechanical and plant engineering.

We offer complete solutions from stand alone balancing machines in industrial applications to complete turnkey wheel assembly projects including parts logistics.

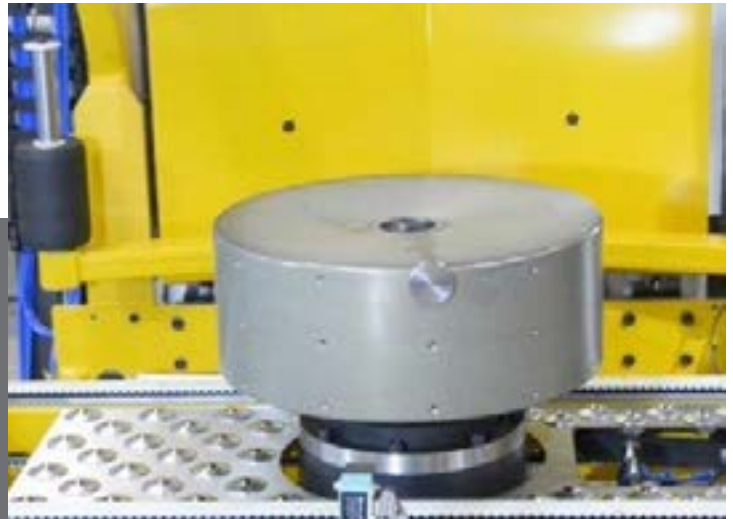
Our customers include wheel manufacturers and complete wheel system suppliers to major automotive manufacturers worldwide.

ABOUT US

Our many years of experience in mechanical engineering

We have been a leading mechanical engineering company for many years. Our expertise spans various industries and applications, consistently delivering the highest quality and innovation.

Our team of experienced engineers and technicians continuously strives to develop customized solutions for our customers.



Made in Germany, from the Darmstadt area, the world center of balancing technology

PRODUCT RANGE



We use the latest technologies and processes to ensure that our products and services meet the highest standards.

04. RATEC - 1

Wheel Balancer specially designed for aluminum rim production.

06. RATEC - 3

Wheel Balancer specially designed for aluminum rim production.

07. RATEC - 4

Fully automatic wheel balancing machine for complete wheels and aluminum rims.

09. RATEC - 5

Wheel balancer for complete wheels and aluminum rims.

10. RATEC - 850

Semi-automatic workshop balancing machine.

RATEC PRODUCT OVERVIEW

RATEC 1 BASIC MACHINE

Wheel Balancer especially for aluminum rim production

The Ratec 1 was specially developed for use in the manufacture of aluminium rims, has been further developed over many years and is now also suitable for a wide range of wheel applications. It is characterized by high balancing accuracy. The automatic pneumatic collet chuck enables short cycle times. Clamping inserts for rims with different hub diameters are available.



RATEC 1: BASIC MACHINE

Semi-automatic machine for the industrial sector

- 7-segment LED display for static and dynamic unbalance
- For passenger cars and SUVs rims and wheels up to 14,5"x26"
- Max. wheel size 400mmx700mm
- Robust design for continuous operation



RATEC 1 - 0000

SoftGrip clamping fixture

- Conical spindle with Haweka SoftGrip and centering cones
- Protective cover with automatic start of measurement



RATEC 1 - 1000

M-Spindle

- M-spindle with automatic pneumatic clamping by means of clamping sleeve
- Protective cover with automatic start of measurement



RATEC 1 - 2000

M-Spindle + Control panel

- Separate control panel, no protective cover
- M-spindle with automatic pneumatic clamping by means of clamping sleeve
- Automatic start of the measurement



RATEC 1 - 3000

Fixmatik

- Fixmatic spindle with automatic pneumatic clamping and centering cones
- Protective cover with automatic start of measurement



RATEC 1 - 5000

Fixmatik + Control panel

- Separate control panel, no protective cover
- Fixmatic spindle with automatic pneumatic clamping and centering cones
- Automatic start of the measurement



RATEC 1 - 6000

Fixmatik + High Spindle + Control panel

- Separate control panel, no protective cover
- High Fixmatic spindle with automatic pneumatic clamping and centering cones
- Automatic start of the measurement



RATEC 1 - 7000

Fixmatik + Inverter

- As Ratec 1 -3000
- Drive control via frequency inverter
- Automatic positioning in the balancing position



RATEC 1 - 8000

M-Spindle + Inverter

- As Ratec 1 - 1000
- Drive control via frequency inverter
- Automatic positioning in the balancing position

RATEC PRODUCT OVERVIEW

RATEC 3 BASIC MACHINE

Wheel Balancer especially for aluminum rim production

The Ratec 3 has been developed specifically for use in aluminum rim production. It is characterized by high balancing accuracy. The automatic pneumatic collet chuck enables short cycle times. Span inserts for rims with different diameter diameters are available.



RATEC 3 BASIC MACHINE

Fully automatic basic balancing unit for the industrial sector

- Balancing machine for passenger cars and SUVs rims
- Control cabinet with industrial PC and Siemens S7 PLC and WinCC, Profinet
- Wheel database, automatic type change
- Data acquisition (USB, serial port, etc.)
- Angle detection by means of magnetic ring
- Asynchronous drive with inverter



RATEC 3 - 1000

M-Spindle

- M-spindle with automatic pneumatic clamping by means of clamping sleeve



RATEC 3 - 2000

Variable chuck with splash guard

- Variable chuck 50 ... 125 mm clamping range
- Splash Guard



RATEC 3 - 3000

M-Spindle

- M-spindle with automatic pneumatic clamping by means of clamping sleeve
- Splash Guard

RATEC PRODUCT OVERVIEW

RATEC 4 BASIC MACHINE

Fully automatic wheel balancing machine for complete wheels and aluminum rims

Original SEIB OEM balancing box: The Ratec 4 is particularly suitable for use in balancing complete wheels and aluminum rims. The machine can be supplied with a handling system and camera for automatic rim detection. Integration into a customer's handling system/line is also possible.



RATEC 4 BASIC MACHINE

Balancing unit for fully automatic line use

- Control cabinet with industrial PC and Siemens S7 PLC and WinCC, Profinet
- Wheel database, automatic type change
- Data acquisition (USB, serial port, etc.)
- Angle detection by means of magnetic ring
- Servo drive with positioning in unbalance position



RATEC 4 - 1000

Balancing box for rim balancing machine

- Balancing machine for passenger cars and SUVs rims
- Variable chuck 50 ... 125 mm clamping range



RATEC 4 - 2000

Balancing box for rim balancing machine

- Balancing machine for passenger cars and SUVs rims
- Variable chuck 50 ... 125 mm clamping range
- Splash Guard

RATEC PRODUCT OVERVIEW

RATEC 4 BASIC MACHINE

Fully automatic wheel balancing machine for complete wheels and aluminum rims

Original SEIB OEM balancing box: The Ratec 4 is particularly suitable for use in balancing complete wheels and aluminum rims. The machine can be supplied with a handling system and camera for automatic rim detection. Integration into a customer's handling system/line is also possible.



RATEC 4 -4000

Balancing box for wheel balancing machine

- Wheel balancing machine for passenger cars and SUVs wheels
- Reinforced variable chuck with 50 ... 125 mm clamping range and pull-down
- Reinforced drive
- Optional: Lifting platform with centering
- Optional: Marking of the imbalance positions

RATEC 4 - 5000

Balancing box for truck wheel balancing machine

- As Ratec 4 – 4000
- Wheel balancing machine for truck wheels
- Reinforced chassis
- Reinforced Variable Truck Chuck with Pull Down
- Reinforced spindle drive



RATEC PRODUCT OVERVIEW

RATEC 5 BASIC MACHINE

Wheel Balancer Complete wheels and aluminum rims

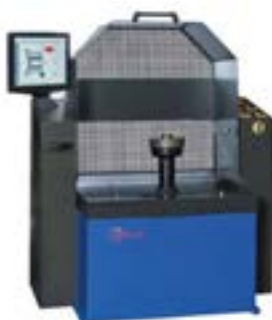
The Ratec 5 is particularly suitable for balancing complete wheels and aluminum rims. Input of the wheel data into the measuring electronics with integrated PC, pneumatic tensioning of the wheel or aluminum rim, fast measuring run, automatic stop of the wheel and simple operation.



RATEC 5 BASIC MACHINE

Semi-automatic balancing machine with industry-standard computer

- For passenger cars and SUVs rims and wheels up to 14,5"x26"
- Max. wheel size 400mmx700mm
- Robust design for continuous operation
- Windows PC and screen
- Wheel database and data acquisition



RATEC 5 - 1000

M-Spindle

- M-spindle with automatic pneumatic clamping by means of clamping sleeve
- Protective cover with automatic start of measurement



RATEC 5 - 2000

Fixmatik

- Fixmatic spindle with automatic pneumatic clamping and centering cones
- Protective cover with automatic start of measurement

RATEC PRODUCT OVERVIEW

RATEC 850 BASIC MACHINE

Wheel balancing machine for aluminum rim production

The Ratec 850 was specially developed for use in the production of aluminum rims, has been further developed over the years and can now also be used for a wide range of wheel applications. It is characterized by high balancing accuracy. The automatic pneumatic collet chuck enables short cycle times. Clamping inserts for rims with different hub diameters are available.



RATEC 850 BASIC MACHINE

Semi-automatic workshop balancing machine with industry-standard computer

- For passenger cars and SUVs rims and wheels up to 14,5"x26"
- Max. wheel size 400mmx700mm
- Windows PC and screen
- Wheel database and data acquisition
- Detection of wheel dimensions by laser and scanning arm
- Measurement of wheel dimensions using laser and scanning arm



RATEC 850

SoftGrip clamping fixture

- Conical spindle with Haweka SoftGrip and centering cones
- Protective cover with automatic start of measurement
- Detection of wheel dimensions by laser and scanning arm



CONTACT US

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