BOXER

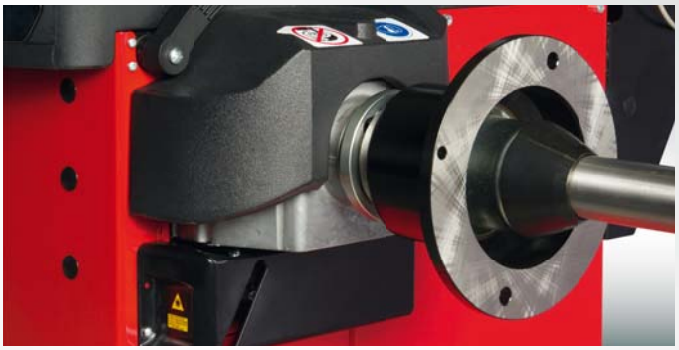

# WHEEL BALANCING
## Systems

# KEY FEATURES


Stop in position:
Touch the screen to automatically rotate the wheel to weight application position.

Smart Sonar ™
Automatic, non-contact rim width acquisition delivers greater accuracy and ease of use for a 30% savings in complete process when compared to manual operation.

easyWEIGHT™
Pinpoint laser identifies exact weight placement location for increased accuracy and efficiency.



VPM technique
Measurement system for high precision and repeatability.

easyALU ™
Touch the rim with the gauge arm to enter the rim dimensions and automatically select the weight balancing mode.

Power Clamp™
Patented automatic Power Clamp™ electromechanically clamps the wheel accurately with a constant force, reducing the opportunity for chasing weight.

Multiple users
Two operators can operate with the balancer simultaneously and quickly recall their rim dimensions.

QuickBAL™
30% reduced cycle time, less than 4,5 seconds, maintaining the same high accuracy.

Features described above are not available in all models. Please refer to the specific model page to identify its features.

# DIGITAL BALANCER
## accuracy and small footprint

- Intuitive LED display
- Semi-automatic input of rim diameter and offset with gauge arm
- Manual input of rim width
- Imbalance optimisation program
- Imbalance minimisation program
- Constant rotational speed
- **QuickBAL™**: 30% reduced cycle time, less than 4,5 seconds, maintaining the same high accuracy
- Split weight mode
- The pedal-operated mechanical lock firmly holds the wheel in every position

| Wheel Balancers specs | S 1280 |
|---|---|
| Vehicles supported | Cars, light trucks, SUVs, motorcycles |
| Diameter of shaft | 40 mm |
| Length of shaft | 225 mm |
| Measuring speed | < 100 rpm |
| Angular resolution | ±0,35° |
| Balancing accuracy | 1 g |
| Balancer flange offset | 268 mm |
| Start/Stop balance time | 6 s |
| **Data Entry** | |
| Rim diameter range - Manual | 8" - 32" |
| Rim diameter range - Semi automatic | 8" - 25" |
| Offset range | 1" - 20" |
| Rim width range | 1" - 20" |
| **Wheel Specs** | |
| Max. wheel diameter | 37.8" (960 mm) |
| Wheel width range | 3" - 20" (508 mm) |
| Max. wheel offset (without optional spacers) | up to 260mm |
| Max. wheel weight | 70 kg |
| **Dimensions and Weight** | |
| Dimensions L x W x H (Machine only, wheel guard open) | 1100 x 1005 x 1711 mm |
| Net weight | 78 kg |

# VIDEO BALANCER
## accuracy and small footprint

- 19“ TFT monitor with intuitive SILVER user interface
- Semi-automatic input of rim diameter and offset with gauge arm
- **Smart Sonar ™**: automatic, non-contact rim width acquisition delivers greater accuracy and ease of use for a 30% savings in complete process when compared to manual operation
- Imbalance optimisation program
- Imbalance minimisation program
- Constant rotational speed
- **easyALU ™**: touch the rim with the gauge arm to enter the rim dimensions and automatically select the weight balancing mode
- **QuickBAL ™**: 30% reduced cycle time, less than 4,5 seconds, maintaining the same high accuracy
- Split weight mode
- The pedal-operated mechanical lock firmly holds the wheel in every position

mod. S 1750 = Without Smart Sonar™ for automatic and non-contact detection of rim width

| Wheel Balancers specs | S 1750 S<br>S 1750 |
|---|---|
| Vehicles supported | Cars, light trucks, SUVs, motorcycles |
| Diameter of shaft | 40 mm |
| Length of shaft | 225 mm |
| Measuring speed | < 200 rpm |
| Angular resolution | ±0,35° |
| Balancing accuracy | 1 g |
| Balancer flange offset | 268 mm |
| Start/Stop balance time | 4,5 s |
| **Data Entry** | |
| Rim diameter range - Manual | 8” - 32” |
| Rim diameter range - Semi automatic | 8” - 25” |
| Offset range | 1” - 20” |
| Rim width range | 1” - 20” |
| **Wheel Specs** | |
| Max. wheel diameter | 42”<br>(1050 mm) |
| Wheel width range | 3” - 20”<br>(508 mm) |
| Max. wheel offset (without optional spacers) | up to 260mm |
| Max. wheel weight | 70 kg |
| **Dimensions and Weight** | |
| Dimensions L x W x H (Machine only, wheel guard open) | 1012 x 781 x 1834 mm |
| Net weight | 82 kg |

# S 1450 P IS DESIGNED FOR PROFESSIONALS

## that want premium performance from a balancer

- **PROtouch™**: the touchscreen graphical display, 10" wide, with DIAMOND user interface – makes the S 1450 as intuitive as a video balancer
- **easyWEIGHT ™**: pinpoint laser identifies exact weight placement location for increased accuracy and efficiency
- **easyALU ™**: touch the rim with the gauge arm to enter the rim dimensions and automatically select the weight balancing mode
- **Power Clamp ™**: patented automatic Power Clamp™ electromechanically clamps the wheel accurately with a constant force, reducing the opportunity for chasing weight
- **Smart Sonar ™**: automatic, non-contact rim width acquisition delivers greater accuracy and ease of use for a 30% savings in complete process when compared to manual operation
- **VPM technique**: measurement system for high precision and repeatability
- **QuickBAL ™**: 30% reduced cycle time, less than 4,5 seconds, maintaining the same high accuracy
- **Multiple users**: two operators can operate with the balancer simultaneously and quickly recall their rim dimensions
- **Stop in position**: touch the screen to automatically rotate the wheel to weight application position

mod. S 1450 L = Without Power Clamp ™
mod. S 1450 S = Without Power Clamp ™ and easyALU ™

| Wheel Balancers specs | S 1450 P<br>S 1450 L<br>S 1450 S |
|---|---|
| Vehicles supported | Cars, light trucks, SUVs, motorcycles |
| Diameter of shaft | 40 mm |
| Length of shaft | 225 mm |
| Measuring speed | < 200 rpm |
| Angular resolution | ±0,35° |
| Balancing accuracy | 1 g |
| Balancer flange offset | 268 mm |
| Start/Stop balance time | 4,5 s |
| Data Entry | |
| Rim diameter range - Manual | 8" - 32" |
| Rim diameter range - Semi automatic | 8" - 25" |
| Offset range | 1" - 20" |
| Rim width range | 1" - 20" |
| Wheel Specs | |
| Max. wheel diameter | 42" (1050 mm) |
| Wheel width range | 3" - 20" (508 mm) |
| Max. wheel offset (without optional spacers) | up to 260mm |
| Max. wheel weight | 70 kg |
| Dimensions and Weight | |
| Dimensions L x W x H (Machine only, wheel guard open) | 1330 x 870 x 1880 mm |
| Net weight | 90 kg |

# S 1480 P

# DIGITAL BALANCER

## productivity and ease of use

- Intuitive display in ergonomic raised position
- **easyWEIGHT ™**: pinpoint laser identifies exact weight placement location for increased accuracy and efficiency.
- Semi-automatic input of rim diameter and offset with gauge arm
- **Smart Sonar ™**: automatic, non-contact rim width acquisition delivers greater accuracy and ease of use for a 30% savings in complete process when compared to manual operation.
- **easyALU ™**: touch the rim with the gauge arm to enter the rim dimensions and automatically select the weight balancing mode.
- **VPM measurement technique**
- Constant rotational speed
- **QuickBAL ™**: 30% reduced cycle time, less than 4,5 seconds, maintaining the same high accuracy.
- Split weight mode
- Electromechanical lock
- Wheel clamped on the integrated flange by means of a quick nut
- Oversize shaft
- **Power Clamp ™**: patented automatic Power Clamp™ electromechanically clamps the wheel accurately with a constant force, reducing the opportunity for chasing weight.

mod. S 1480 L = Without Power Clamp™ and electromechanical lock

| Wheel Balancers specs | S 1480 P<br>S 1480 L |
|---|---|
| Vehicles supported | Cars, light trucks, SUVs, motorcycles |
| Diameter of shaft | 40 mm |
| Length of shaft | 225 mm |
| Measuring speed | < 200 rpm |
| Angular resolution | ±0,35° |
| Balancing accuracy | 1 g |
| Balancer flange offset | 268 mm |
| Start/Stop balance time | 4,5 s |
| **Data Entry** | |
| Rim diameter range - Manual | 8" - 32" |
| Rim diameter range - Semi automatic | 8" - 25" |
| Offset range | 1" - 20" |
| Rim width range | 1" - 20" |
| **Wheel Specs** | |
| Max. wheel diameter | 42"<br>(1050 mm) |
| Wheel width range | 3" - 20"<br>(508 mm) |
| Max. wheel offset (without optional spacers) | up to 260mm |
| Max. wheel weight | 70 kg |
| **Dimensions and Weight** | |
| Dimensions L x W x H (Machine only, wheel guard open) | 1313 x 868 x 1834 mm |
| Net weight | 140 kg |

# S 1950 P

# VIDEO BALANCER

## productivity and ease of use

- Gold graphical user interface with touch screen functions
- **easyWEIGHT ™**: pinpoint laser identifies exact weight placement location for increased accuracy and efficiency
- Semi-automatic input of rim diameter and offset with gauge arm
- **Smart Sonar ™**: automatic, non-contact rim width acquisition delivers greater accuracy and ease of use for a 30% savings in complete process when compared to manual operation.
- **easyALU ™**: touch the rim with the gauge arm to enter the rim dimensions and automatically select the weight balancing mode
- Rim lighting: facilitates rim cleaning and speeds up data entry and weight positioning
- **VPM measurement technique**
- Constant rotational speed
- **QuickBAL ™**: 30% reduced cycle time, less than 4,5 seconds, maintaining the same high accuracy
- Imbalance minimisation program
- Imbalance optimisation program
- Split weight mode
- Wheel clamped on the integrated flange by means of a quick nut
- Oversize shaft
- **Power Clamp ™**: patented automatic Power Clamp™ electromechanically clamps the wheel accurately with a constant force, reducing the opportunity for chasing weight
- **Stop in position**: touch the screen to automatically rotate the wheel to weight application position
- Electromecanichal lock

mod. S 1950 L = Without Power Clamp ™,
stop in position and electromechanical lock

| Wheel Balancers specs | S 1950 P<br>S 1950 L |
|---|---|
| Vehicles supported | Cars, light trucks, SUVs, motorcycles |
| Diameter of shaft | 40 mm |
| Length of shaft | 225 mm |
| Measuring speed | < 200 rpm |
| Angular resolution | ±0,35° |
| Balancing accuracy | 1 g |
| Balancer flange offset | 268 mm |
| Start/Stop balance time | 4,5 s |
| **Data Entry** | |
| Rim diameter range - Manual | 8" - 32" |
| Rim diameter range - Semi automatic | 8" - 25" |
| Offset range | 1" - 20" |
| Rim width range | 1" - 20" |
| **Wheel Specs** | |
| Max. wheel diameter | 42"<br>(1050 mm) |
| Wheel width range | 3" - 20"<br>(508 mm) |
| Max. wheel offset (without optional spacers) | up to 260mm |
| Max. wheel weight | 70 kg |
| **Dimensions and Weight** | |
| Dimensions L x W x H (Machine only, wheel guard open) | 1313 x 868 x 1834 mm |
| Net weight | 130 kg |

# WHEEL BALANCING SYSTEMS

## INCLUDED ACCESSORIES

| | |
|---|---|
|  | Weight Plier |
|  | Adhesive Weight Removal Tool |
|  | Rim Width Callipers (only on models without Smart Sonar ™) |
|  | Calibration Weight and Spacer 2" |
|  | Storage Peg (4x) |
|  | Pressure Ring |
|  | Pressure Cup |
|  | Large Cone (Ø 96-116 mm) |
|  | Medium Cone (Ø 72-99 mm) |
|  | Small Cone (Ø 42-80 mm) |

## OPTIONAL ACCESSORIES

| | |
|---|---|
|  | BW2010 - Pneumatic wheel lift for car wheel balancers |
|  | Large clamping hood (Ø 200 mm) for alloy rims |
|  | Set of 9 low-taper centering collets 52.5-122mm |
|  | Stud-hole flanges (see price list for different types) |

## FEATURES OF THE CONFIGURATIONS

| | Model S | Model L | Model P |
|---|---|---|---|
| Sonar | • | • | • |
| Laser | | • | • |
| Power Clamp | | | • |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