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AGOG01620



GARAGE EQUIPMENT DIVISION



FULL RANGE





Cemb is located in Mandello del Lario on the east shore of the Lake of Como, not far from Milan's main airports. The Company building with the management offices as well as the technical, commercial and administrative departments, the show rooms and meeting/training rooms is set on an area of 8.600 sq. m.

The departments for the production of industrial balancing machines, of instruments for vibration analysis are also housed on the same ground.

A second manufacturing unit, located in an area of 11.600 sq. m, is involved with the batch production of wheel balancing machines for vehicle wheels, alignment units and testing lines.

1946



A COMPANY, AN ENTREPRENEUR

In 1946 Luigi Buzzi designed the first balancing machine: a revolutionary solution, covered by patent.

From 1946 to 1949 he built up the production of mechanical resonance type balancing machines and stroboscopic types later. In 1952 the production started with balancing machines for motor vehicle wheels. In 1960 he encouraged the constitution of an R&D department in the rapidly growing field of electronics: Cemb is the first Italian Company and the second in the world to design and manufacture wheel balancing machines. The research and the continuous technical innovation are the features that guarantee Cemb a main role both in Garage and Industrial field. Cemb is today the only Company in the world to deal with both sectors, with evident technical and quality advantages.



FULL RANGE



WHEEL
BALANCERS



WHEEL
ALIGNMENTS



TYRE-
CHANGERS

WHEEL BALANCERS

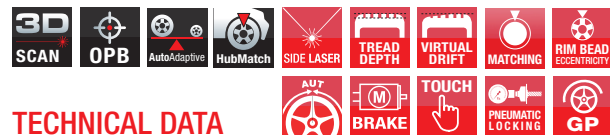
TOUCHLESS 3D WHEEL DIAGNOSIS

- **3D Laser Scan** - 3D acquisition of wheel sizes with exact positioning of adhesive weights
- **Side Laser** to ease the application of clip-on weights in the exact position
- **Complete wheel diagnosis** including tyre conicity and wear analysis in three different areas
- **OPB One Plane Balancing** - Correction of both static and dynamic unbalance on one plane at once and with only one weight
- **AutoAdaptive Mode** - The new tolerance calculation system
- **Direct Matching** - Visualization of the best possible matching to reduce eccentricity
- **HubMatch** - During the measuring cycle, the wheel's "maximum eccentricity point" is detected and displayed on monitor, therefore allowing for its reduction during the re-mounting of wheel on vehicle
- **Automatic rotation** and immediate lock of the wheel in weight position

IN 6,4" :

3D acquisition of wheel sizes
Wheel balancing
Rim and tyre eccentricity
OPB

Direct matching
Hubmatch
Single point tread depth
Tyre set



TECHNICAL DATA

Balancing speed	100 rpm
Measurement spin time	4.7 s (per wheels from 15 kg)
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	220 kg

FASTER THAN EVER



TOUCHLESS FULLY AUTOMATIC BALANCING MACHINE

- Automatic wheel dimensions carried out by **3D Laser Scan** and sonar system
- Automatic measure of width and excentricity by Sonar
- **Side Laser** to ease the application of clip-on weights in the exact position
- **OPB One Plane Balancing** - Correction of both static and dynamic unbalance on one plane at once and with only one weight
- **AutoAdaptive Mode** - The new tolerance calculation system
- **Direct Matching** - Visualization of the best possible matching to reduce eccentricity
- **HubMatch** - During the measuring cycle, the wheel's "maximum eccentricity point" is detected and displayed on monitor, therefore allowing for its reduction during the re-mounting of wheel on vehicle
- **Automatic rotation and locking** of the wheel in weight position
- Pneumatic wheel locking

NO CHECK SPIN: Check Spin becomes almost unnecessary thanks to the high quality measurement and accuracy in weight positioning granted by CEMB unique features



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	170 kg

TOUCH SCREEN



VIDEO WHEEL BALANCING MACHINE WITH TOUCHSCREEN AND PNEUMATIC WHEEL LOCKING

- **Automatic gauge** for measuring distance and diameter of rims up to 28"
- Automatic measure of width and eccentricity by Sonar
- **Laser Spotter** - Greatest accuracy in the weights positioning during the correction
- **OPB One Plane Balancing** - Correction of both static and dynamic unbalance on one plane at once and with only one weight
- **AutoAdaptive Mode** - The new tolerance calculation system
- **HubMatch** - During the measuring cycle, the wheel's "maximum eccentricity point" is detected and displayed on monitor, therefore allowing for its reduction during the re-mounting of wheel on vehicle
- **Automatic rotation and locking** of the wheel in weight position

Run-out and balancing in one spin only



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	120 kg

TOUCH SCREEN



2-hit

CEMB

WHAT IF EVERYTHING WERE THIS EASY?

- **Revolutionary patent pending data input system** - The acquisition of wheel dimensions is done by manually moving the wheel and confirming the data with a light punch on the tyre
- No longer need the automatic gauge
- **Laser Spotter** - Unique system that allows selecting the correction planes with maximum accuracy and then precisely indicates the exact point of application of the weights
- **Laser Matching** - Line laser emitter which, together with the laser spotter, allows calculating the diameter of the rim
- Automatic width measurement by Sonar
- **OPB One Plane Balancing** - Correction of both static and dynamic unbalance on one plane at once and with only one weight
- **AutoAdaptive Mode** - The new tolerance calculation system
- All the programs useful for the Professional: **SPLIT, OPT, ALU**
- **Automatic rotation and locking** of the wheel in weight position

Innovation with simplicity



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	120 kg

NEW DATA INPUT SYSTEM!



PROFESSIONAL WHEEL BALANCER WITH TOUCH SCREEN VIDEO

- **Automatic gauge** for measuring distance and diameter of rims up to 28"
- Automatic width measurement by Sonar
- **Laser Spotter** - Greatest accuracy in the weights positioning during the correction
- **OPB One Plane Balancing** - Correction of both static and dynamic unbalance on one plane at once and with only one weight
- **AutoAdaptive Mode** - The new tolerance calculation system
- All the programs useful for the Professional: **SPLIT, OPT, ALU**
- **HubMatch** - During the measuring cycle, the wheel's "maximum eccentricity point" is detected and displayed on monitor, therefore allowing for its reduction during the re-mounting of wheel on vehicle (available only with optional EMS sonar)
- **Automatic rotation and locking** of the wheel in weight position
- **Pneumatic wheel locking** (SE version only)

Reliability features design



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	120 kg

TOUCH SCREEN



WHEEL BALANCING MACHINE WITH LARGE FLAT SCREEN

- **Automatic gauge** for diameter and distance measurement of rims up to 28" with new pincer to hold the adhesive weight
- Automatic width measurement by Sonar
- **Laser line** for the inside positioning of the weight
- All the programs useful for the Professional: **SPLIT, OPT, ALU**
- **Automatic approach** of the wheel within 15° from the point of application of the balancing weight, to allow the operator to position it correctly, with minimum movement
- **Electromagnetic brake** to lock the wheel in the correction position
- **Pneumatic wheel locking** (SE version only)

TFT monitor

Designed for productivity, very easy to use, new design and style

Wheel Best Access: wide space to operate inside the rim



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	120 kg



DIGITAL WHEEL BALANCING MACHINE WITH TOUCHSCREEN

- **Automatic gauge** for measuring distance and diameter of rims up to 28"
- Automatic width measurement by Sonar
- **Laser Spotter** - Greatest accuracy in the weights positioning during the correction
- **OPB One Plane Balancing** - Correction of both static and dynamic unbalance on one plane at once and with only one weight
- **AutoAdaptive Mode** - The new tolerance calculation system
- **Automatic approach** of the wheel within 15° from the point of application of the balancing weight, to allow the operator to position it correctly, with minimum movement
- **Electromagnetic brake** to lock the wheel in the correction position
- All the programs useful for the Professional: **SPLIT, OPT, ALU**

High volume digital balancer with touch panel



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	120 kg



WHEEL BALANCING MACHINE WITH DIGITAL DISPLAY

- **Automatic gauge** for measuring distance and diameter of rims up to 28"
- Automatic width measurement by Sonar
- **Laser line** for the inside positioning of the weight
- All the programs useful for the Professional: **SPLIT, OPT, ALU**
- **Automatic approach** of the wheel within 15° from the point of application of the balancing weight, to allow the operator to position it correctly, with minimum movement
- **Electromagnetic brake** to lock the wheel in the correction position
- **Pneumatic wheel locking** (SE version only)

Designed for productivity, very easy to use, new design and style

Wheel Best Access: wide space to operate inside the rim



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	120 kg



DIGITAL, HIGH PERFORMANCE WHEEL BALANCER

- **Automatic gauge** to measure distance and diameter of rims up to 28"
- **Virtual Sonar for 3D** measurements of wheels that, in cases of metal rims and absence of sonar, calculates the width of the rim
- **Laser line** for the inside positioning of the weight
- Multi-function display
- All the programs useful for the Professional: **SPLIT, OPT, ALU**
- **AutoAdaptive Mode** - The new tolerance calculation system
- **Automatic approach** of the wheel within 15° from the point of application of the balancing weight, to allow the operator to position it correctly, with minimum movement
- **Electromagnetic brake** to lock the wheel in the correction position

Compact, high performance wheel balancer,
very easy to use, great design and style
Designed to ease and speed up all balancing steps



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	120 kg



SPACE-SAVING 3D BALANCER WITH VIDEO TOUCHSCREEN

- **Automatic gauge** to measure the distance and diameter of rims of up to 28" with an innovative clip to hold the adhesive weight
- **Virtual Sonar for 3D** measurements of wheels that, in cases of metal rims and absence of sonar, calculates the width of the rim
- **12" Video Touchscreen** - Intuitive, durable and easy to use
- **AutoAdaptive Mode** - The new tolerance calculation system
- **ALU-S 3D Balancing mode** - Adhesive weights on the internal rim planes with specific counterweight position indicator
- **Automatic approach** of the wheel within 15° from the point of application of the balancing weight, to allow the operator to position it correctly, with minimum movement
- **Electromagnetic brake** for the lock of the wheel in the exact weight position

The compact balancer with touchscreen and advanced innovative features: 3D wheel measurement with Virtual Sonar, AutoAdaptive mode and stationary brake



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	110 kg



THE SMALLEST 3D BALANCER WITH ELECTROMAGNETIC BRAKE

- **Automatic gauge** to measure the distance and diameter of rims of up to 28" with an innovative clip to hold the adhesive weight
- **Virtual Sonar for 3D** measurements of wheels that, in cases of metal rims and absence of sonar, calculates the width of the rim
- **Panel with Touch system**, innovative, simple and durable
- Software programs for the professionals: **SPLIT, OPT, ALU**
- **ALU-S 3D Balancing mode** - Adhesive weights on the internal rim planes with specific counterweight position indicator
- **AutoAdaptive Mode** - The new tolerance calculation system
- **Automatic approach** of the wheel within 15° from the point of application of the balancing weight, to allow the operator to position it correctly, with minimum movement
- **Electromagnetic brake** for the lock of the wheel in the exact weight position

3D Measurements thanks to Virtual Sonar and easy counterweight application with electromagnetic brake



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	110 kg



COMPACT 3D BALANCER WITH DIGITAL TOUCH DISPLAY

- **Automatic gauge** to measure the distance and diameter of rims of up to 28" with an innovative clip to hold the adhesive weight
- **Virtual Sonar for 3D** measurements of wheels that, in cases of metal rims and absence of sonar, calculates the width of the rim
- **AutoAdaptive Mode** - The new tolerance calculation system
- **Panel with Touch system**, innovative, simple and durable. Allows intuitive use of all machine functions
- Software programs for the professionals: **SPLIT, OPT, ALU**
- **ALU-S 3D Balancing mode** - Adhesive weights on the internal rim planes with specific counterweight position indicator
- **Low balancing speed**. Also available in the version equipped with safety guard
- Latest generation **VDD Virtual Direct Drive** Super-fast and extremely accurate measuring system

3D Measurements thanks to Virtual Sonar, the innovative software that calculates rim width



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	110 kg



DIGITAL HAND SPIN BALANCER IDEAL FOR MOBILE SERVICE

- **Automatic gauge** for the detection of distance and diameter with relative activation of desired balancing program (clip-on or stick-on weights)
- **Manual spin** balancing machine
- Designed to be **small in size**
- Wheels for easy portability
- **Multifunctional digital panel**, innovative, simple and durable
- Software programs for the professionals: **SPLIT, OPT, ALU**
- Counterweights applications and wheel locking are eased by the **handy mechanical brake pedal**

Due to its compact dimensions and dual supply (12 VDC – 110/230 VAC), the C30 is the optimum solution for mobile service



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	70 kg



ZERO WEIGHT LIFT

NO GRAVITY EFFECT
LOAD AND UNLOAD OF THE WHEEL ARE
MADE WITH NO EFFORT OR ADJUSTMENT

PERFECT CENTERING:

Wheel automatic lift
 Perfect centering and very accurate balancing

QUICK:

Quicker than any other traditional lift
 A single pedal controls the whole working cycle

AUTOMATIC:

Electronic integrated system with PLC

UNIVERSAL:

Can be used with any wheel balancer



ADAPTORS

STANDARD ACCESSORIES

In 1952 Cemb created the cone adapters for balancing machines and since then the company continued developing and producing high precision centering systems for any type of wheel.
CEMB DOES NOT RECOMMEND THE USE OF NON-ORIGINAL ADAPTERS ON ITS BALANCING MACHINES.

Standard equipment
UC20/SE2 composed of:
SE kit, 3 cones kit and
WDC gauge



**PNEUMATIC
LOCKING**

41FF034417
SE Kit (ring, quick locking sleeve
SE2, SE spacer)



41FF034416
3 cones kit Ø 45÷110 mm,
pincer-hammer and 60 g. counterweight



46FC77653
Width gauge



Standard equipment
UC20/2 GL40 composed
of: quick locknut GL40,
3 cones Kit and WDC
gauge



**MANUAL
LOCKING**

41FF83146
Locknut Kit (quick locknut GL40,
with sleeve and ring)



41FF034416
3 cones kit Ø 45÷110 mm,
pincer-hammer and 60 g. counterweight



46FC77653
Width gauge



ADAPTORS

CEMB

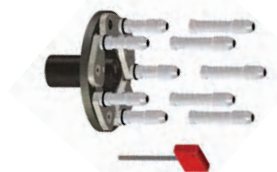
SPECIAL KIT SR ADAPTOR

Composed by SR4-SR5-SR5 Opel made of Ergal, an extremely light and resistant aluminium alloy used for racing cars, marine and aviation.



UNIVERSAL STUD ADAPTOR SRU

New, quick and versatile: infinitely adjustable bolt circle from 75 to 210 mm, for all 3, 4, 5 and 6 hole rims.



RMC20 MOT/2

Universal centering adapter for motorcycles and scooter wheels, also suitable for wheels with bearing (inner hole Ø 15÷35 mm).



UH20/2

Suitable for wheels 3, 4, 5, 6 holes (95 ÷ 210 mm pitch circle Ø) with/without central hole (Renault, Peugeot and Citroën). Centering error practically halved compared to similar adaptors on the market.



BALANCE EVERYWHERE!

- **Simple and extremely compact wheel balancer usable everywhere:** on a garage wall, installed on a lift, on a tire changer, on a workbench or in a van
- **Hand-spin** and manual brake
- Multifunctional digital display
- **Mounting devices:** the standard version can be fixed to a wall or to any support that grants proper rigidity
- **Unlimited correction modes** for stick-on weights (alus), hidden weights behind the spokes (split) and matching (unbalance optimization)

Identical measuring quality of high-end balancers



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	35 kg



TRANSPORTABLE, DIGITAL HAND-SPIN BALANCER WITH MOTOR FOR ANY TRUCK TYRE CHANGER

- **Transportable** in a single hand
- **Universal and quick mounting system** on the tyre changer
- Manually operated spin system
- **Digital portable display**
- Powered by **rechargeable batteries** with external power supply (220 V AC, 12 V CC)
- Equipped with storage stand complete with housings for machine, display and cones

IDEAL FOR MOBILE SERVICE

Mountable on the tyre changer: minimum space required!



TECHNICAL DATA

Balancing speed	< 70 rpm
Cycle time per wheels from 15 kg	8 ÷ 20 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" - 30" (265 ÷ 765 mm)
Machine weight	20 kg



C202SE

THE ONLY PROFESSIONAL BALANCER IN THE WORLD FOR THE PNEUMATIC LOCKING OF CAR AND TRUCK WHEELS

- **Pneumatic locking**
- Smart system for the **automatic measure** of diameter and distance by Cemb gauge
- Powerful three-phase motor
- Complete with **integrated pneumatic lift** for wheels up to 250 kg
- **Flat, high-definition 15" TFT screen**
- Measure of **radial eccentricity** by SONAR (option)
- **SPLIT** program and **Optimization** program

Pneumatic locking
for the balancing of wheels in big batches



TECHNICAL DATA

Balancing speed	70 rpm
Cycle time per wheels from 15 kg	< 20 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" - 30" (265 - 765 mm)
Machine weight	350 kg



C350

THE NEW VIDEO BALANCER FOR TRUCK, BUS AND CAR WHEELS UP TO 200 KG

- **Automatic gauge** for measuring distance and diameter of rims up to 32"
- **LA Sonar with laser pointer** for measuring the lateral run-out of the tyre shoulder
- **EMS sonar device** for measuring the radial run-out of the tyre during the normal balancing cycle
- **Lifting spindle** for a perfect centring even with large wheels with minimum effort
- **Laser line** to facilitate the correct positioning of the adhesive counterweights in the 6 o'clock position
- Innovative **sliding trolley** for a faster and easier loading of the wheel
- **Electromagnetic brake** to lock the wheel in the exact weight position

Diagnosis of the lateral and radial eccentricity of the wheel using sonar technology



TECHNICAL DATA

Balancing speed	130 rpm (for car) / 80 rpm (for truck)
Cycle time for car/truck wheel	8 ÷ 20 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" - 30" (265 - 765 mm)
Machine weight	230 kg



CEMB

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C330

THE NEW DIGITAL BALANCER FOR TRUCK, BUS AND CAR WHEELS UP TO 200 KG

- **Automatic gauge** for measuring distance and diameter of rims up to 32"
- Automatic width measurement by Sonar
- **Laser line** to facilitate the correct positioning of the adhesive counterweights in the 6 o'clock position
- **Software programs for the professionals: SPLIT, OPT, ALU**
- **ALU-S 3D balancing mode** - Adhesive weights on the internal rim planes with specific counterweight position indicator
- Innovative **sliding trolley** for a faster and easier loading of the wheel
- **Spacious** and sturdy rotational **weight-tray**
- **Electromagnetic brake** to lock the wheel in the exact weight position

Cutting-edge lifting spindle for the best comfort in wheel centering



TECHNICAL DATA

Balancing speed	130 rpm (for car) / 80 rpm (for truck)
Cycle time for car/truck wheel	8 ÷ 20 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" - 30" (265 ÷ 765 mm)
Machine weight	230 kg



C206

UNIVERSAL HANDSPIN TRUCK/BUS BALANCER, PARTICULARLY SUITABLE FOR MOBILE SERVICE

- Digital **hand-spin balancer**
- Ergonomic **balancer with reduced dimensions** and weight
- Equipped with **trolley wheels to facilitate the handling** and movement of the machine making it particularly suitable for mobile service
- **40 mm shaft**
- Shaft height adjustable by a handle to load, balance and brake the wheel with a minimum effort for the user
- ALU S balancing mode, SPLIT, minimization of residual static unbalance

Particularly suitable for the mobile service thanks to its flexibility



TECHNICAL DATA

Balancing speed	< 70 rpm for trucks; < 100 rpm for cars
Cycle time per wheels from 15 kg	8 ÷ 20 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" - 30" (265 ÷ 765 mm)
Machine weight	190 kg



CEMB

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DIGITAL WHEEL BALANCER WITH MOTOR FOR MOTORCYCLE WHEELS

- For traditional wheels, for rear flanged wheels (single arm) and scooter wheels
- **Automatic measure** of distance and diameter with **ALU-S** function
- Spinning and braking by a roller
- **Fixed shaft:** the wheel runs freely on its own bearings thus reproducing the exact mounting of the wheel on the motorbike
- **Dynamic balancing** (on two correction planes)

K22 HS

Available in manual spin version

Mains AC or 12-24V vehicle battery supply

Designed for the mobile service, i.e. on race tracks



TECHNICAL DATA

Balancing speed	100 rpm
Cycle time per wheels from 15 kg	4.7 s
Adjustable rim width	1.5" ÷ 20" (40 ÷ 510 mm)
Adjustable diameter	10" ÷ 30" (265 ÷ 765 mm)
Machine weight	84 kg



WHEEL ALIGNMENTS



MEASURE TOE AND CAMBER IN LESS THAN 5 SECONDS

- Without any contact with the vehicle and without getting out of the car, in just 5 seconds Argos carefully measures toe, camber, thrust angles
- Instant touchless measurement on the 4 wheels without exiting the vehicle
- Perfect for adjustment and reception lane
- Adaptable to existing working spaces
- Suitable for all passenger cars and light commercial vehicles

INCREASE YOUR BUSINESS BY SAVING TIME!

AVAILABLE IN THREE VERSIONS:



FULL

Measures vehicles on-floor and at a fixed height ideal for both reception lane and adjustments with a lift



HIGH

Measures vehicles at a fixed height ideal for adjustments with a lift



PIT

Measures vehicles on-floor ideal for reception lane and adjustments in a pit



HI-TECH RECEPTION LANE FOR THE FULL ALIGNMENT CHECK IN A FEW SECONDS

- **Complete wheel alignment check**, including partial toe and steering wheel centering
- **Non-contact measurement**: no more clamps, targets or sensors for effective time savings and no risk of damaging the rims
- **Diagnosis of vehicle anomalies** with detailed reports on the interventions to be carried out
- **Automatic selection of vehicle specifications** via license plate recognition (optional)* or fast specs search
- **Remote control** app for tablets and smartphones
- **Customizable** graphic
- Adaptable to any work environment

Highly professional acceptance service

AVAILABLE OPTIONAL PACKAGES	PLUS	PREMIUM
Database licence	●	●
Real-time vehicle specifications	●	●
Automatic software updates	●	●
Recurrent vehicle number-plate recognition	●	●
New vehicle number-plate recognition*		●

* Available only for some countries



SOPHISTICATED LASER TREAD DEPTH MEASUREMENT SYSTEM FOR ACCEPTANCE LANE

- **Integrated in the Drivethru acceptance system**
- **The extremely low height (only 60 mm)** simplifies the installation on any type of floor, both on-ground and in-ground
- **Measurement tread depth at two different heights** by means 3D laser scans
- No reading problems with dirty tyres; no need for maintenance between scans
- Clear and easy **reports of each individual wheel**
- Adaptable to previously installed ArgosDrivethru

The most complete and quick acceptance diagnosis on the market

TECHNICAL DATA

Total length	2680 mm
Drive-over section height	60 mm
Drive-over section maximum capacity	4 t
Drive-over section min/max	1020 - 1920 mm
Reading time	10"



THE SMART SOLUTION IN 3D HD WHEEL ALIGNMENT

- **High definition cameras** height adjustable with manual controls
- **Quarterly updates of the data bank** for clear, rapid selection of different versions of vehicles
- **Guided procedure** suitable for any worker, to guarantee performance and efficiency
- **Simple, intuitive graphics** with rapid selection keys and icons
- **Quick, precise measurements** with value adjustments in real time
- **Single raised wheel run-out** for smaller workspaces or lifts with stairs
- **Audit Function:** identification of driving problems, resulting from measures not contemplated in the specifications to support the regulation service
- **Compact Targets** with no electronics and batteries

AVAILABLE IN TWO VERSIONS:

STANDARD with 27" monitor

PIT supplied with an additional 21" monitor to ease the adjustment in pit



STANDARD COMPOSITION

Cabinet

Computer with WINDOWS 10 operating system

27" TFT monitor, colour printer, USB keyboard, mouse

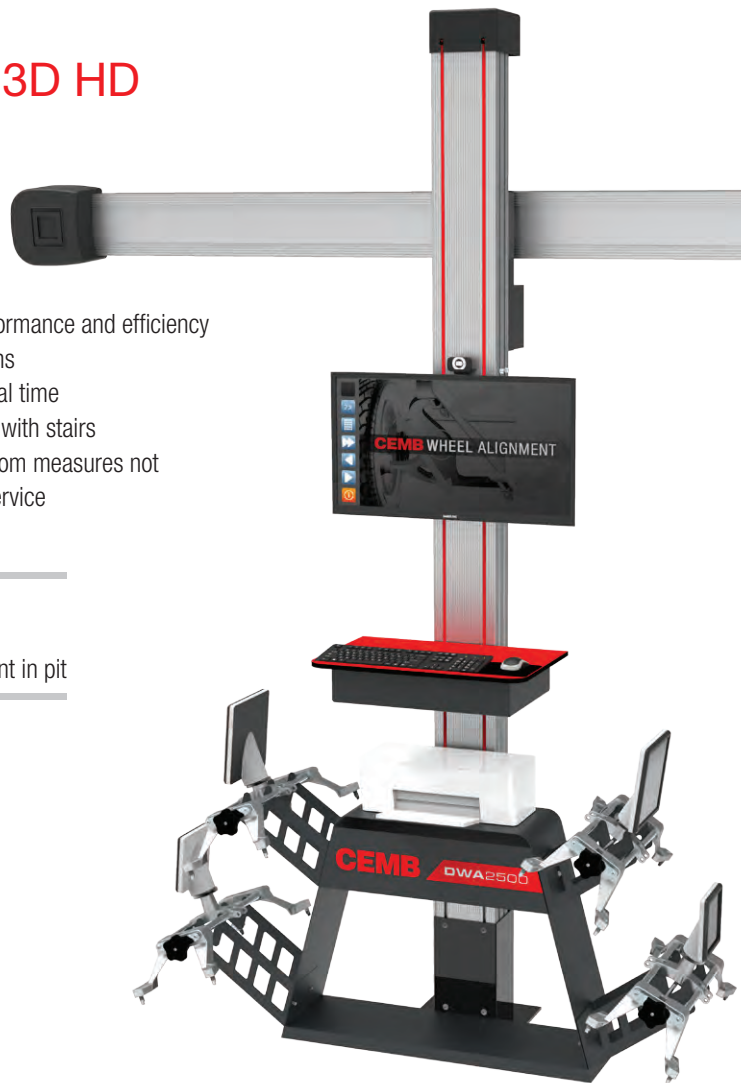
Four 4-point clamps 12"-24" with universal grips and targets

Camera support with manual control

Two mechanical turntables for cars

Brake pedal lock, steering lock

Wheel alignment software and database for CARS



3D HD WHEEL ALIGNMENT FOR CAR AND LIGHT TRUCK

- **Movable cameras** automatically adjustable with lift height
- **Quarterly updates of the data bank** for clear, rapid selection of different versions of vehicles
- **Frontal assistance video camera** to help get onto the lift
- **Wheelbase, track and diagonal measurements** to prevent damage from accidents
- **Wheel diameter measurements** to verify correct pressure
- **Single raised wheel run-out** for smaller workspaces or lifts with stairs
- **Measurements with 2 targets** for long vehicles
- **Caster angle and friction range measurements**
- **Audit Function:** identification of driving problems, resulting from measures not contemplated in the specifications to support the regulation service
- **Compact Targets** with no electronics and batteries

AVAILABLE IN TWO VERSIONS:

STANDARD with 43" monitor

PIT with double monitor (27" and 21") to ease the adjustment in pit



STANDARD COMPOSITION

Cabinet

Computer with WINDOWS 10 operating system

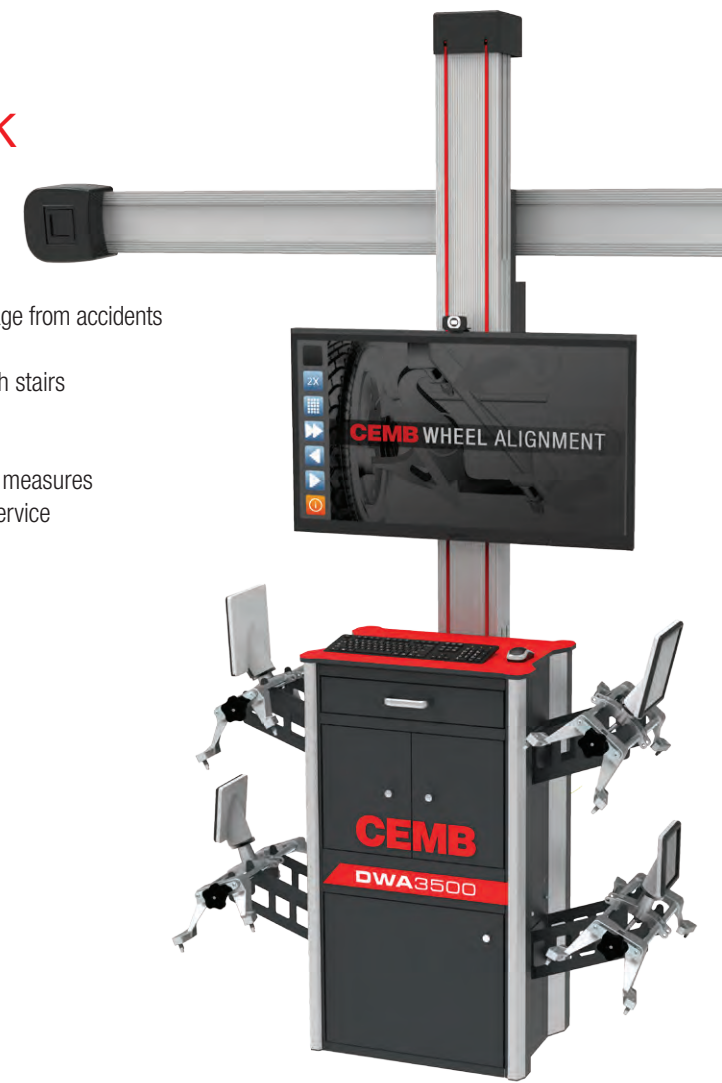
43" TFT monitor, colour printer, wifi keyboard, loudspeakers, front webcam, wifi pen drive

Four 4-point clamps 12"-24" with universal grips and targets

Camera support with automatic control

Brake pedal lock, steering lock

Wheel alignment software and database for CARS



8-CCD ALIGNMENT FOR CAR AND LIGHT TRUCK WHEELS

- **BT² innovative wireless communication:** immediate obstacle-free connection
- Lithium batteries for 24 hours of work
- Windows operative system
- **Spoiler automatic function.** No extensions required
- FAST caster swing
- **Adjustment of both axes on one page only**
- Data update through USB
- **Also available** in DWA1100 light version **without cabinet** (you can use your own laptop)

USER FRIENDLY

Quick and user-friendly thanks to its software and featherweight sensors



STANDARD COMPOSITION

Computer - monitor 27" - printer

Software and database with car and light vehicles

4 car sensors

4 clamps + safety elastic band + 2 sets of grips

2 turnplates for cars

Steering lock + brake pedal lock



MOBILE WHEEL ALIGNMENT SYSTEM

- **Mobile structure** which allows to work comfortably on board the vehicle and for multi-bay workshops
- **Pivoting and rubber wheels** to allow smooth movement on any type of flooring
- Sensors with **lithium batteries for a long durability**
- **TOUGH PAD 10" with wi-fi connection;** no need of a bulky PC and greater ease of use. Extremely robust, waterproof and dust-proof
- Windows operating system
- Very **clear and userfriendly graphics.** The software system guides the user through all the alignment operations
- **AUDIT function** for the identification of driving problems

The compact wheel aligner designed to fit anywhere



STANDARD COMPOSITION

Trolley

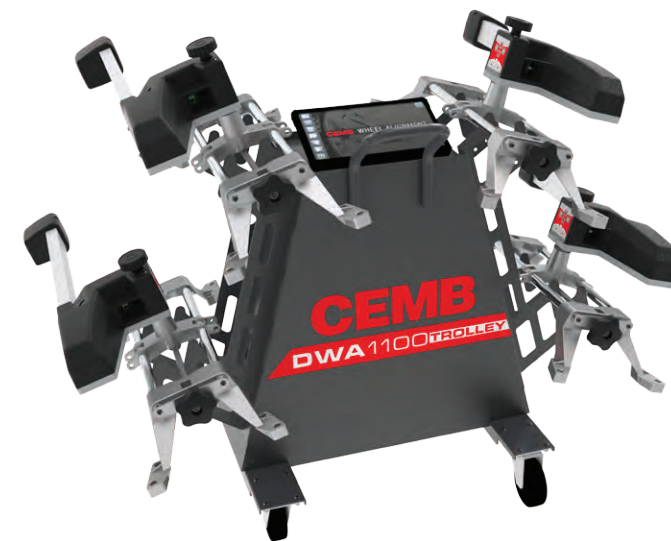
10" Toughpad with windows operating system

4 car measuring heads with lithium batteries

4 Clamps + safety elastic band + 2 set of grips

Wifi antenna for automatic software updates

Steering wheel lock and brake pedal lock



REVOLUTIONARY HYBRID ALIGNMENT FOR CAR AND TRUCK WHEELS

- **BT² innovative wireless communication:** immediate obstacle-free connection
- Lithium batteries for 24 hours of work
- Windows operative system
- **Step by step procedure up to 7 axles**
- **Two-sensor mode**, quick measure of the front axle
- **Adjustment of both axles on one page only**
- Wheelbase over 12 m far, even in open and sunny space
- **Available also DWA1100 hybrid in light version without cabinet** (you can use your own laptop)

Hybrid alignment of car, light truck and bus wheels
No need of any uncomfortable extension thanks to the handy featherweight sensors



STANDARD COMPOSITION

Computer - 27" monitor - printer (3D print-outs)
Software and database for car, light truck and bus wheels
2 car sensors + 2 truck sensors
4 clamps + safety elastic band + 3 sets of grips
Steering lock + brake pedal lock



WHEEL ALIGNMENT SYSTEM FOR TRUCKS AND BUSES

- **BT² innovative wireless communication:** immediate obstacle-free connection
- Lithium batteries for 24 hours of work
- Windows operative system
- **MEMS accelerometer** to provide the acquisition of the alignment parameters of wheels
- **Step by step procedure up to 7 axles**
- **Two-sensor mode**, quick measure of the front axle
- **Adjustment of both axles on one page only**
- **AUDIT function** for the identification of driving problems
- Wheelbase over 12 m far, even in open and sunny space
- Data update through USB

WHEEL ALIGNMENT APP to replicate on your smartphone or tablet the wheel alignment monitor, acting as remote control to operate on the machine software



STANDARD COMPOSITION

Computer - 27" monitor - printer (3D print-outs)
Software and database for truck and bus wheels
4 truck sensors
4 clamps + safety elastic band + 1 set of grips
Steering lock + brake pedal lock



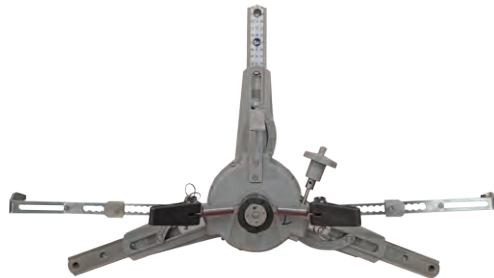
ACCESSORIES

3 POINTS SELF-CENTERING CLAMP (available for 3D and CCD car and truck wheel alignment)

CCD



3D



3D



3 POINTS TYRE GRABBER - SELF-CENTERING
ATTACHING DIRECTLY TO THE TYRE
(AVAILABLE FOR 3D CAR WHEEL ALIGNMENT)

Note: available a wide choice of clamp supports on cabinet.

TYRE CHANGERS



TYRE CHANGER WITH REVOLUTIONARY LEVERLESS SYSTEM WITH DYNAMIC MOVEMENT

- Adapt for car wheels, SUVs and commercial vehicles up to 30"
- The geometry of the new dynamic tool allows a **considerable reduction of bending on the tyre and of contact with the rim**
- **Combined bead removal** thanks to the two roller arms and the roller feed movement
- Self-centering plate with electric translation movement to ensure **greater positioning accuracy**
- Motor controlled by the **new motoinverter system with progressive speed variation**. Rated consumption occurs only during use
- **Intuitive and complete multi-function control console** to easily operate all work instruments; everything is close at hand
- Pulse inflation pedal with 4.2 bar pressure limitation (60 PSI)

OPTION - WHEEL LIFT

During lifting and subsequent positioning of the wheel, the rim centre remains always aligned with the centre of the self-centring device. The movement is carried out with a single continuous-action pedal to lift any type of wheel, without any effort

TECHNICAL DATA

Clamping capacity	10" - 30"
Max wheel diameter	1200 mm /47"
Max wheel width	380 mm /15"
Rotation speed	0 - 16 rpm (1ph - Inverter)
Net weight	370 kg



DYNAMIC TOOL



DYNAMIC TOOL

CONTACT-FREE CEMB PATENTED

Dynamic tool is a dynamic system that moves in two directions: axial and radial. The front lever engages the tyre bead which is moved away from the rim edge, while the rear lever keeps it firmly guided and then it releases it on the external edge, during disassembly and, inside the rim, during assembly.

ADVANTAGES COMPARED TO A TRADITIONAL LL SYSTEM:

- engagement with the bead is ensured by the special plier-shaped tool with no risk of slipping
- it reduces the stress on the tyre limiting its wear and tear; the contact-free movement prevents scratching the rims
- no need to use additional tools with subsequent reduction of effort
- easy to use with reduction of maintenance costs
- reliability and safety



AUTOMATIC TYRE CHANGER WITH LEVERLESS SYSTEM

- Designed to operate on car or light commercial vehicle wheels with a diameter up to 26"
- **LeverLess demounting group** with double support to the rim to reduce flexions and tensions on the bead and on the rim edge
- Rim locking through opposed-jaws device with 80 mm diameter cylinders, which guarantees an **optimal grip on all types of rims**
- Motor controlled by the **new motoinverter system with progressive variation of speed**
- **Reinforced** base vertical post **structure** and 60x60 mm horizontal arm grant maximum rigidity
- Suitable to operate on latest generation UHP and Run Flat wheels, particularly hard and challenging

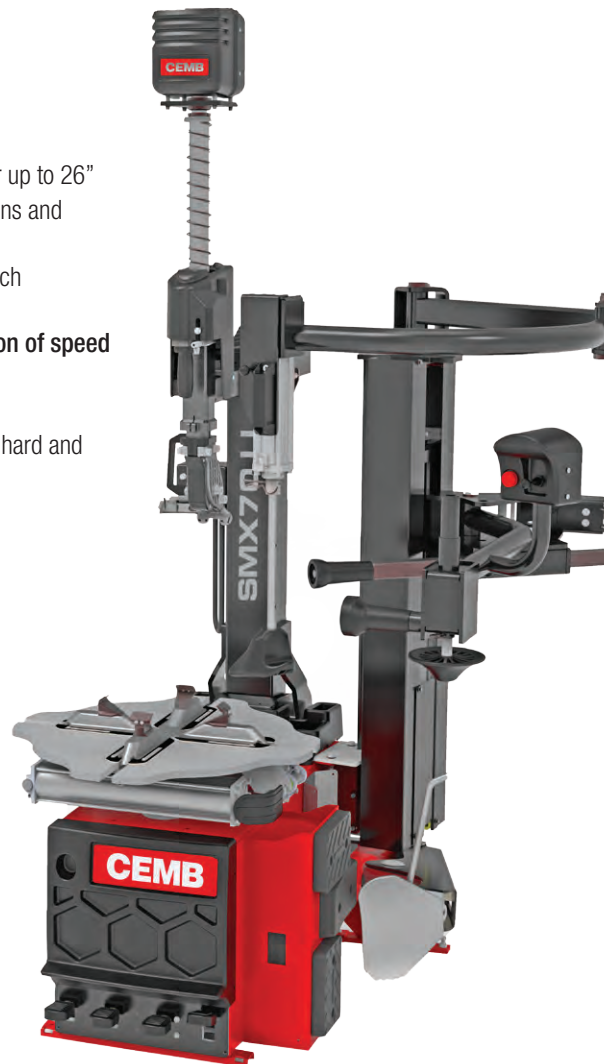
TI-VERSION

Version with an effective inflation device for bead seating integrated in clamping jaws



TECHNICAL DATA

Clamping capacity	10" - 26"
Max wheel diameter	1170 mm (46")
Max wheel width	400 mm (16")
Rotation speed	0-16 rpm (1ph - Inverter) / 8-16 rpm (3ph - 2 speed)
Net weight	285 kg



AUTOMATIC TYRE CHANGER WITH LOCKING CAPACITY UP TO 26"

- Automatic tyre changer with pneumatic rear tilting post granting the maximum rigidity to prevent rim damage
- Rim locking through opposed-jaws device with 80 mm diameter cylinders, which guarantees an **optimal grip on all types of rims**
- Motor controlled by the **new motoinverter system with progressive variation of speed**
- **Reinforced** base vertical post **structure** and 60x60 mm horizontal arm grant maximum rigidity
- Bead breaker with ergonomic arm to operate on wheels of 17" in width
- Body with removable pedal unit for easy maintenance

TI-VERSION with an effective inflation device for bead seating integrated in clamping jaws

A-VERSION with pneumatic positioning of tool arm



TECHNICAL DATA

Clamping capacity	10" - 26"
Max wheel diameter	1170 mm (46")
Max wheel width	400 mm (16")
Rotation speed	0-16 rpm (1ph - Inverter) / 8-16 rpm (3ph - 2 speed)
Net weight	270 kg



AUTOMATIC TYRE CHANGER WITH LOCKING CAPACITY UP TO 24"

- Rear tilting post granting the maximum rigidity to prevent rim damage
- Self-centering turntable with **10" - 24" clamping capacity**
- Rim locking through opposed- jaws device, with 80 mm diameter cylinders, which guarantees an **optimal grip on all types of rims**
- Motor with dual rotation directions (clockwise/anti-clockwise) and **double speed by pedal control**
- Bead breaker with ergonomic arm to operate on wheels of 15" in width
- Body with removable pedal unit for easy maintenance
- Pedal-operated inflating device, manometer and CE-certified inflation pressure limiter

ON REQUEST

Version with motor controlled by the new motoinverter system with progressive variation of speed



TECHNICAL DATA

Clamping capacity	10 - 24"
Max wheel diameter	1170 mm (46")
Max wheel width	360 mm (14")
Rotation speed	8 -16 rpm (3ph - 2 speed) / 7 rpm (3ph - 1 speed) / 0 -16 rpm (1ph - Inverter)
Net weight	260 kg



AUTOMATIC TYRE CHANGER WITH LOCKING CAPACITY UP TO 22"

- Rear tilting post granting the maximum rigidity to prevent rim damage
- Self- centering round turntable, 530 mm in diameter, to ease bead- breaking of the second tyre bead
- Motor with dual rotation directions (clockwise/anti-clockwise) and **double speed by pedal control**
- Professional **tyre pressure gun with WIKA manometer**. For a tyre pressure up to max 10 bar
- Bead breaker with ergonomic arm to operate on wheels of 12" in width

OPTIONAL

A-Version with pneumatic positioning of tool arm

Version with pedal-operated inflating device

Motoinverter Version



TECHNICAL DATA

Clamping capacity	10" - 22"
Max wheel diameter	1170 mm (46")
Max wheel width	310 mm (12")
Rotation speed	8 -16 rpm (3ph - 2 speed) / 7 rpm (3ph - 1 speed) / 0 -16 rpm (1ph - Inverter)
Net weight	250 kg



SUPER AUTOMATIC HEAVY VEHICLES AND EARTH MOVING TYRE CHANGER

- Universal hydraulic 4-jaws chuck developed to clamp all types of rims with **direct clamp from 14" to 42"** (up to 60" using extensions - optional)
- New jaw designed with 5 clamping points (one of them adjustable), so that it can be adapted to any type of rim's internal shape
- Innovative **"tools always in line" working technology**: this allows the disc and the tool to be always in the right working position
- Fully automatic **elevation and rotation of the tool arm**
- Leverless working system thanks to the **tool clamping in a retracted position**

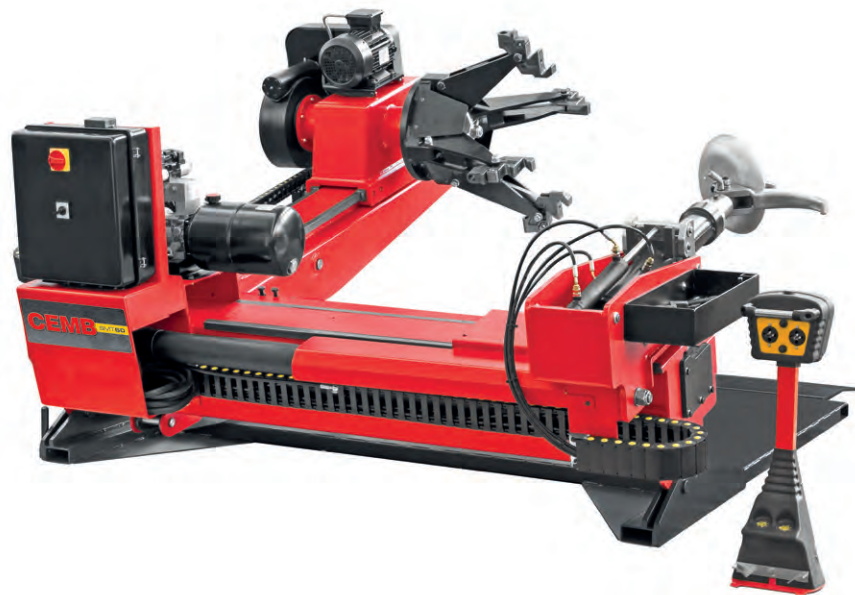
SMT60R

Radio controlled commands version



TECHNICAL DATA

Clamping capacity	14" - 42" (14" - 60" ext.)
Max wheel diameter	2.700 mm (106")
Max wheel width	1500 mm (59")
Rotation speed	4,5 - 9 rpm
Net weight	1.550 kg



SEMI-AUTOMATIC TYRE CHANGER DESIGNED FOR TUBELESS OR INNER TUBE TYRES OF TRUCKS, BUSES, TRACTORS AND EARTH MOVING MACHINES

- Conceived for intensive and professional purposes
- Hydraulic chuck with **working capacity from 14" to 42"** which can be extended till 56" using the optional extensions
- **2-speed rotation in both directions** of the self-centering chuck
- Automatic translational movement of tool-holder carriage
- Manual tool-holder arm lifting and tool rotation with quick unlocking device
- Equipped with a **low voltage portable control unit**, easily movable inside the working area

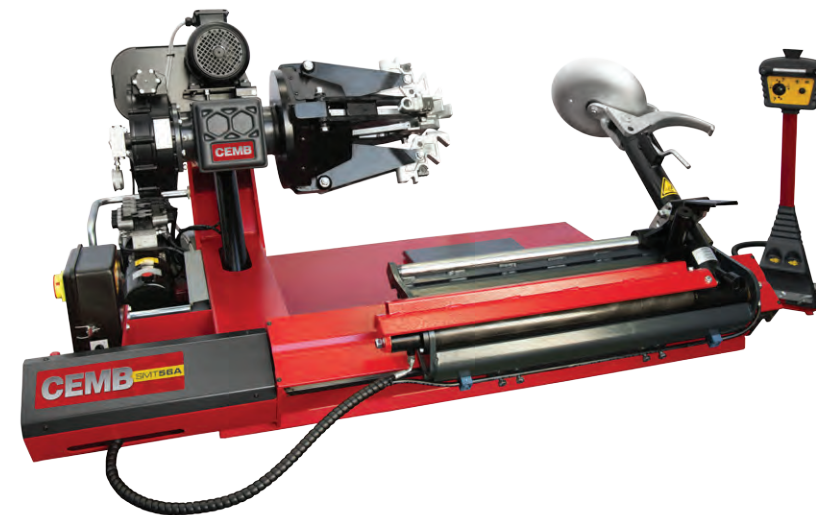
SMT56A

Automatic tool arm movement (translational)



TECHNICAL DATA

Clamping capacity	14" - 42" (56" with extensions)
Max wheel diameter	2300 mm (91")
Max wheel width	1300 mm (52") for SMT56A 1150 mm (45") for SMT56
Rotation speed	4,5 - 9 rpm
Net weight	905 kg (1995 lbs) SMT56A 855 kg (1885 lbs) SMT56



SEMI-AUTOMATIC TRUCK TYRE CHANGER

- Hydraulic chuck with **working capacity from 14" to 30"**
- **1-speed rotation in both directions** of the self-centering chuck
- Automatic translational movement of tool-holder carriage
- Manual tool-holder arm lifting and tool rotation
- Equipped with a **low voltage portable control unit**, easily movable inside the working area
- Equipped with a valve, which regulates the operating pressure of the chuck, allowing to safely operate on all types of aluminum and alloy rims, particularly thin or fragile

Conceived for intensive and professional purposes



TECHNICAL DATA

Clamping capacity	14" - 30"
Max wheel diameter	1640 mm (65")
Max wheel width	850 mm (34")
Chuck rotation speed	7 rpm
Net Weight	605 kg (1333 lbs)



PROFESSIONAL TYRE CHANGER FOR TRUCK MOBILE SERVICE

- Electro-hydraulic **tyre changer designed for mobile service** to operate on truck, bus and car wheels up to a diameter of 26"
- **ALWAYS IN LINE working system**: the roller and/or the M/D tool work always in a perfect position without damaging tyre and rim
- Demounting and mounting system with roller (quick procedure)
- **LL demounting system** (Lever-less) with finger for extremely wide wheels (super single)
- **Emergency hand pump**: this system ensures that the working unit returns into the van in case of failure in the electric/hydraulic system
- **Security Micro-switches** to prevent any damage to the equipment and to the van



TECHNICAL DATA

Clamping capacity	13" - 26"
Max wheel diameter	1380 mm (54")
Max wheel width	780 mm (31")
Rotation speed	7 rpm
Net weight	530 kg



SAFETY INFLATION CAGE FOR TRUCK WHEELS

- Equipment that allows the safe **inflation of all truck and bus tyres**
- **Extremely safe**, because the pressure generated by any eventual tire explosion is contained by the cage and the leakage of fragments is extremely limited
- Safety valve that allows the operator to inflate the tire only when the door is closed

OPTION

Automatic electronic tyre inflator provided with large backlit LCD display to show the various phases of the inflation

TECHNICAL DATA

Max wheel diameter	1450 mm
Max wheel width	650 mm
Net Weight	175 kg

