

supertracker

PRODUCTS BROCHURE
2019/20



CEMB

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HISTORY

After spending several years working with Hunter Engineering and other wheel alignment companies, Keith Lovesy came up with the concept of attaching the measuring head to the car wheels when carrying out wheel alignment. This system eliminated the need for carrying out the time-consuming run out compensation process.

In 1987, after extensive tests to prove the system did indeed work, Keith and his wife Jean decided to start producing their own wheel alignment systems.

The first production batch went on sale in September 1987 with a first-year sales target of twenty five units. A staggering seventy two alignment systems were sold that year.

SUPERTRACKER TODAY

Over thirty years later Supertracker are still the largest supplier by volume in the UK with a product range to meet every technical or budgetary requirement.

Our customer base covers a very broad spectrum, including national tyre outlets, franchised dealers, independent garages, independent fast fit and service centres, accident repair centres, commercial vehicle operators, commercial vehicle service centres and commercial vehicle body repairers.

With constant evolution of our first-class products to meet the ever-changing environment and customer trends, on-site service back up and comprehensive on-going training, we have maintained our position as a premium brand.

OUR PRODUCTS



PRODUCT RANGE

Our current product range includes:

- The top of the range Argos touchless aligner
- 3D conventional computer aligners
- Eight or six sensor CCD computer aligners
- The industry standard laser aligners
- Full camber castor KPI measuring on all systems
- Commercial eight sensor computer aligners
- Commercial laser aligners
- ADAS calibration systems

NATURAL EVOLUTION

With over thirty years of experience selling one of the leading brands of wheel alignment equipment in the UK market, Supertracker has been approached by CEMB, the worlds leading wheel balancer manufacturer, to represent them in the UK market.

By adding the new range of CEMB wheel balancers and tyre changers to our product range, we are able to offer the complete wheel care service.

COMPUTERISED WHEEL ALIGNERS



The new generation clampless wheel alignment system

Requiring no contact with the vehicle and without even getting out of the car, in only 5 seconds Argos carefully measures toe, camber and thrust angles. Simply stop the vehicle between the Argos columns, and a high-tech 3D scanner measurement system does the rest. Argos totally revolutionizes the world of wheel alignment: no clamping, no targets and no detectors. There's no need to perform run out compensation or to apply a brake pedal lock to measure castor.

- World's fastest toe and camber measurement, without even exiting the vehicle
- No obstructions: use the same lift both for wheel alignment and mechanical parts repair
- No manual adjustment for different wheelbase vehicles
- User-friendly software
- No moving parts meaning safety for operators and maintenance free
- Self-calibrating
- Automatic database updates - no engineer visit required

ARGOS



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 for adjustment on a lift



Pit

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



- 3D camera support beam automatically adjusts to the height of the lift
- 3D technology detects all alignment parameters, as well as dimensions such as track, wheelbase and diagonals to identify damage caused by crashes
- Wheel diameter measurements identifies tyre correct pressure
- Single raise wheel run-out for smaller workspaces or lifts with stairs

Includes:

- Windows operating system
- Colour printer
- Keyboard & monitor
- Four 4-point clamps 12" to 24" with universal grips and targets
- Movable camera beam support with 3D sensors
- Brake pedal lock
- Turnplates
- Wheel alignment software and database for cars

3D HD WHEEL ALIGNER FOR CAR AND LIGHT TRUCK



- Suitable for use with a full wheel alignment lift, standard 4 post lift, 2 post lift, pit or level surface
- Plastic rim buttons cause no damage to alloy or painted wheels
- Inbuilt control panels on each head eliminate the need to return to the console through each stage of the alignment process
- Measuring accuracy as low as 0.01mm
- Lithium batteries for extended working life
- User friendly software
- Low spoiler program to incline the measuring heads and jack and hold program for suspended adjustments
- Network capabilities – print from your office
- Available with the choice of wheel hangers or clamps (see Accessories section)

Includes:

- Windows operating system
- Colour printer
- Keyboard & monitor
- Extensive vehicle database
- Customer database with full history recall
- Choice of graphic or tabular colour printout
- Adjustment help screens
- Wheel hangers & measuring heads calibrated as a unit

8 SENSOR COMPUTERISED WHEEL ALIGNER



- Suitable for use with a full wheel alignment lift, standard 4 post lift, 2 post lift, pit or level surface
- Plastic rim buttons cause no damage to alloy or painted wheels
- Inbuilt control panels on each head eliminate the need to return to the console through each stage of the alignment process
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- Adjustment help screens
- Wheel hangers & measuring heads calibrated as a unit

6 SENSOR COMPUTERISED WHEEL ALIGNER



LASER WHEEL ALIGNERS

- Wall mounted
- Can be supplied with or without the illuminated display light box
- Supplied with a two year warranty as standard

Includes:

- Rechargeable, cable free laser measuring heads
- Wheel hangers 12" to 22"
- Rear scales assembly
- Auto data chart
- Dished turn plates and bases
- Steering wheel lock
- Illuminated display light box

Optional extras:

- Wheel hangers 13" to 24"
- Rim button extensions
- Ball bearing turn plates
- Run up ramps
- Digital camber castor gauge
- Off road wheel hangers/low spoiler wheel hangers

LASER WHEEL ALIGNER HALF CABINET



- Wall mounted
- Two wheel laser tracking gauge for measuring front toe only
- Comes with its own calibration bars
- Can be used on 2 & 4 post lifts, pits and floors
- Roll back compensation not required

Includes:

- Wheel frames fit from Minis to 4x4 vehicles
- Turning discs for accuracy
- Laser beam for easy to read measurements
- Rechargeable battery pack with charger
- Instruction sheet

CAR LASER TRACKING GAUGE



COMMERCIAL VEHICLE WHEEL ALIGNERS



- Inbuilt control panels on each head eliminate the need to return to the console through each stage of the alignment process
- Measuring accuracy as low as 0.01mm
- Lithium batteries for extended working life
- User friendly software
- Able to align both trucks and cars using the same workstation, eliminating the need for two separate aligners
- Uses the tried and tested Supertracker hang on system for attaching the heads to the wheels
- Network capabilities, allowing you to connect to an office or network printer
- Ability to connect an additional monitor in reception or waiting area

Includes:

- Windows operating system
- Colour printer
- Keyboard & monitor
- Extensive vehicle database
- Customer database with full history recall
- Choice of graphic or tabular colour printout
- Adjustment help screens
- Single or twin steer capabilities

COMPUTERISED TRUCK WHEEL ALIGNER



TWIN STEER COMMERCIAL LASER WHEEL ALIGNER



- All measurements can be read at the same time with no need to move measuring heads back and forth over axles to obtain readings
- Can be upgraded to measure camber and castor with use of a digital camber castor gauge
- Can be supplied as a mobile kit to be fitted inside a fleet van, meaning a mobile alignment service can be offered
- Allows easy access to trackrod ends
- Can be used on 4 post lifts, pits or floors

Includes:

- Fits from 19.5" to 24" rims
- Heavy duty turn plates
- Laser beam for easy to read measurements
- Rechargeable battery pack with charger
- Training & instructions supplied

SINGLE STEER COMMERCIAL LASER WHEEL ALIGNER



- Can be upgraded to measure camber and castor with use of a digital camber castor gauge
- Can be supplied as a mobile kit to be fitted inside a fleet van, meaning a mobile alignment service can be offered
- Allows easy access to trackrod ends
- Can be used on 4 post lifts, pits or floors

Includes:

- Fits from 19.5" to 24" rims
- Heavy duty turn plates
- Laser beam for easy to read measurements
- Rechargeable battery pack with charger
- Training & instructions supplied

- Wall mounted
- Commercial two wheel laser tracking gauge for measuring front toe only
- Roll back compensation not required
- Can be used on 2 & 4 post lifts, pits and floors
- Comes with its own calibration bars

Includes:

- Fits from 19.5" to 24" rims
- Heavy duty turn plates
- Laser beam for easy to read measurements
- Rechargeable battery pack with charger
- Instruction sheet

LASER TRUCK TRACKING GAUGE



BALL BEARING TURN PLATES

- Ideally required when measuring castor and camber angles
- Run up ramps are available for lifts without recesses

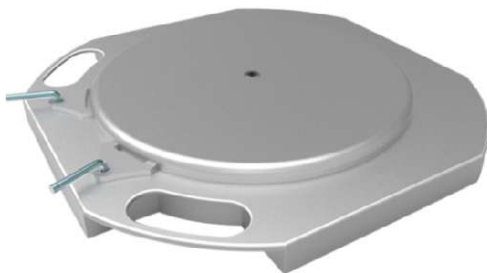


Light Duty - 280mm x 370mm, 150Kg SWL per Turn Plate



Heavy Duty - 380mm x 380mm, 1000kg SWL per Turn Plate

DISHED TURN PLATES



Premium - 450mm x 450mm, 1000kg SWL per Turn Plate



300mm x 300mm, SWL 250kg SWL per Turn Plate

WHEEL HANGERS

- Available in various sizes to overcome problems when measuring lowered or off road style vehicles
- Wheel hangers for cars standard
- Wheel hangers for cars 24"
- Low spoiler wheel hangers
- Wheel hangers for trucks



3 POINT CLAMPS

- For use with modified or lowered cars
- Fits unusual wheels
- Self-centring
- Rim Button Extensions, Plastic Tips and Extension Arms available



DIGITAL CAMBER CASTOR GAUGE

- For use with Supertracker laser wheel aligners
- Upgrades the standard laser aligner to be able to measure full geometry
- Requires camber plates
- Easy re-calibration
- Robust and durable
- Measures to 0.01 decimal degree
- One year warranty



RIM BUTTONS AND EXTENSIONS

- Required to measure reverse hubs (ie. Twin wheel transits) and vehicles with significantly different track width
- Fit over the existing rim buttons



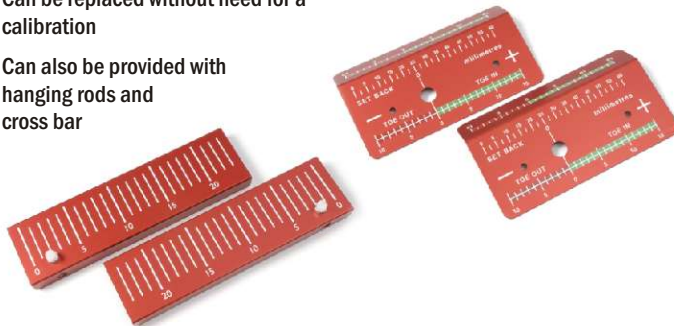
ALIGNMENT TABLES

- Set of 4 alignment tables
- Allows the aligner to be used on two post lifts
- 83cm (L) x 47cm (W) x 46cm (H) without handles
- SWL – 6 tonne



LASER SCALES

- Anodized scales for reading the toe and measuring the thrust angle of the vehicle
- Can be replaced without need for a calibration
- Can also be provided with hanging rods and cross bar



DUST COVERS

- Ideal for body shops to keep the aligner in good condition



SIGNS AND BANNERS

- Can be a great way to up-sell your wheel alignment service
- Can also educate your customer as to why they may need their alignment checked



Supertracker banner

72cm (L) x 263cm (W)

Professional wheel alignment sign

71cm (L) x 120cm (W)

Why wheel alignment poster

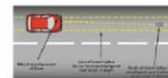
84cm (L) x 54cm (W)



Extend your Tyre Life

Does your car experience?

- Uneven or rapid tyre wear
- Pulling or drifting away from a straight line
- Wandering on a straight level road
- Spokes of the steering wheel off to one side whilst driving on a straight and level road



Suspension misalignment increases tyre wear and can seriously affect vehicle handling and costs you money!



Experiencing any of these Symptoms?

**Ask here about
Professional Wheel Alignment**



Manufacturers of Professional
Four Wheel Alignment Systems

www.supertracker.com

PARTNERSHIP WITH CEMB



Supertracker are proud to partner with CEMB to be their UK distributor of tyre changers and wheel balancers. CEMB is the only company in the world manufacturing wheel balancers for garage and industrial fields, with great technical advantages coming from the synergy of both sectors. High performance, superior accuracy, operational simplicity and reliability are the features which distinguish the CEMB line of garage professional balancing machines.

Tyre Changers

All the CEMB tyre changers are characterized by a robust and compact structure, in order to guarantee extreme handiness. These characteristics, together with the high technological content, make CEMB tyre mounting machines the ideal solution for the professional.

Wheel Balancers

CEMB wheel balancers constitute a wide range of innovative and patented solutions, recognizable for their capability to combine excellent balancing performances, robustness and ease of use.



WHEEL BALANCERS



- Electronic measuring gauge to measure the distance and diameter of rims up to 28" with a fast fix adhesive weight applicator
- Virtual Sonar 3D wheel dimension calculator
- Auto Adaptive Mode the new tolerance calculation system
- Innovative touch screen system simple and durable
- ALU-S 3D balancing mode specific counterweight positioning indicator
- Low speed balancing safety guard optional
- Next generation Virtual Direct Drive ultra fast measuring system
- Electromagnetic brake available on the ER10PRO Version

Technical Data

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

COMPACT 3D BALANCER WITH DIGITAL TOUCH DISPLAY



- Electronic measuring gauge to measure the distance and diameter of rims up to 28" with a fast fix adhesive weight applicator
- Virtual Sonar 3D wheel dimension calculator
- AutoAdaptive Mode the new tolerance calculation system
- 12" innovative touch screen system simple and durable
- ALU-S 3D balancing mode specific counterweight positioning indicator
- Electromagnetic brake
- Next generation Virtual Direct Drive ultra fast measuring system

Technical Data

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

COMPACT 3D BALANCER WITH VIDEO TOUCHSCREEN



- Electronic measuring gauge to measure the distance and diameter of rims up to 28"
- Sonar 3D wheel dimension calculator
- Electromagnetic brake
- Laser weight positioning indicator
- Pneumatic wheel locking (SE version only)

WHEEL BALANCING MACHINE WITH DIGITAL DISPLAY



Technical Data

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

- Electronic measuring gauge to measure the distance and diameter of rims up to 28"
- Sonar 3D wheel dimension calculator
- Electromagnetic brake
- Laser weight positioning indicator
- Pneumatic wheel locking (SE version only)

WHEEL BALANCING MACHINE WITH 17" TFT FLAT SCREEN



Technical Data

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

- Electronic measuring gauge to measure the distance and diameter of rims up to 28"
- Automatic rotation and wheel position lock
- Sonar width measuring
- Laser Spotter ultimate accuracy in weight positioning
- One Plane Balancing increases efficiency by using just one counterweight to balance the wheel, minimizing both static and dynamic imbalance
- AutoAdaptive Mode the new tolerance calculation system
- HubMatch During the measuring cycle, the wheel's maximum eccentricity point is detected and displayed on the monitor, therefore allowing for its reduction during the re-mounting of the wheel on the vehicle
- Pneumatic wheel locking (SE version only)

Technical Data

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

PROFESSIONAL WHEEL BALANCER WITH TOUCH SCREEN VIDEO



LOADING AND UNLOADING WITH NO EFFORT

The Zero Weight lift creates a “zero gravity” effect – load wheels with no effort onto any CEMB wheel balancer

- Automatic wheel lift
- Perfect centring and very accurate balancing
- Quicker than any other traditional lift
- Single pedal controls the whole working cycle
- Electronic integrated system



UNIVERSAL DIGITAL BALANCER WITH MOTOR FOR CAR AND TRUCK WHEELS

- Balances steel & light alloy car wheels, light & heavy commercial trucks and bus wheels thanks to a 40mm shaft and a large assortment of adaptors and cones as standard.
- Pneumatic brake for use during wheel mounting and counterweight application.
- Pedal operated pneumatic lift (soft type) enables excellent centering accuracy of the wheel on the shaft.
- Automatic distance & diameter entry
- 51" wheel guard
- Self-diagnosis and self-calibration
- Optimization program for compensation of rim and tyre unbalance
- Direct weight location program (no re-positioning of stick-on weights)

Technical Data

Balancing speed	< 70rpm for trucks; <100rpm for cars
Cycle time per wheels from 15kg	8 - 20s
Adjustable rim width	1.5" - 20" (40 - 510mm)
Adjustable diameter	10" - 30" (265 - 765mm)
Machine weight	250kg





DIGITAL BALANCER FOR CARS AND TRUCKS

Technical Data

Adjustable rim width	1.5" - 20" (40 - 510mm)
Adjustable diameter	10" - 30" (265 - 765mm)
Machine weight	234kg

- Simplest and most intuitive truck balancer in the range
- Manual wheel spin using a mechanical lever which is also used for the braking operation
- 40mm shaft can handle both car and truck wheels two separate programs perform calculations for the different modes
- Features ALU-S, SPLIT and minimization of residual static unbalance programmes
- Pedal operated lift guarantees an optimal centring of wheel
- Operator can adjust the wheel height using their own mass to manoeuvre relative handle-bar
- Wheel guard optional due to low spinning speed



MOBILE, HAND-SPIN BALANCER FOR CAR AND TRUCK WHEELS

Technical Data

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

- Wheel balancer with automatic gauge for truck, bus, car, light-truck and all terrain wheels
- Suitable for 12v and 24v mobile van operation, as well as within garages and tyre shops
- Handle to change shaft height from the ground: minimum effort for loading, spinning and braking the wheel
- Lift unnecessary
- ALU-S function and automating repeating of the chosen correction planes

TYRE CHANGERS

- Pneumatic rear tilting post giving maximum rigidity preventing rim damage
- Pedal-operated inflating device and pressure limiter
- Reinforced base, vertical post structure and 60x60mm horizontal arm grant maximum rigidity
- Simultaneous vertical and horizontal arm locking system, vertical arm with spring return
- 530mm self-centring turntable, to ease bead-breaking of the second tyre bead
- Rim locking through oppose-jaws device (10" - 25" range) with 80mm diameter cylinders, which guarantees an optimal grip on all types of rims
- Dual rotation directions (clockwise/anti-clockwise) and double speed by pedal control
- Bead braker equipped with twin adjustable blade and arm system which enables operation on large wheels up to 16" width
- Assist arm options available

Technical Data

Clamping capacity	10" - 25"
Max wheel diameter	1160mm (46")
Max wheel width	400mm (16")
Turntable speed	7-14rpm
Machine weight	273kg

PROFESSIONAL AUTOMATIC TYRE CHANGER



AUTOMATIC TYRE CHANGER IDEAL FOR USE IN REPAIR AND TYRE SHOPS

- Automatic tyre changer with rear tilting post and simultaneous vertical and horizontal arm locking system, vertical rod with spring return
- Self-centring plate with 10-24" capacity with double rotation and two speeds
- Vertical post equipped with conic bushes and a triple play recovery system
- Extractable pedal unit to facilitate technical service
- Bead breaker with double-acting cylinder, robust arm and articulated blade
- Ready for the mounting of optional assist arm
- Assist arm options available

Technical Data

Clamping capacity	10" - 22"
Max wheel diameter	1000mm (93.5")
Max wheel width	315mm (12.5")
Rotation speed	8rpm (6-12 rpm 2sp)



SEMI-AUTOMATIC TRUCK TYRE CHANGER



Technical Data

Clamping capacity	14" - 42"
Max wheel diameter	2300mm (91")
Max wheel width	1300mm (52") for SMT56A
Chuck rotation speed	4.5 - 9rpm
Machine weight	855kg (905kg for SMT56A)

- Universal electro-hydraulic truck tyre changer designed for tubeless or inner tube tyres of trucks, buses, tractors and earth moving machines
- Self-centring chuck performs a 2-speed rotation in both directions
- 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

SEMI-AUTOMATIC TYRE CHANGER FOR TRUCK, BUS, AGRICULTURE AND EARTH MOVING VEHICLES



Technical Data

Clamping capacity	14" - 46" (56" with extensions)
Max wheel diameter	2300mm (90.5")
Max wheel width	1065mm (42")
Hydraulic unit motor	1.1 kW / 380v
Machine weight	816kg

- Self-centring chuck to lock grooved and split ring rims from 14" to 46" (up to 56" using the optional extensions)
- 2-speed rotation in both directions of the self-centring chuck
- Automatic movement of tool-holder carriage
- Manual tool-holder arm lifting and tool rotation
- Bronze chuck rotation housing
- Tool-holder carriage stroke increased up to 1300mm width

supertracker



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