

Q.LIGN

THE WORLD'S MOST INNOVATIVE
WHEEL ALIGNMENT

ULTRA FAST,
COMPACT,
CONNECTED!

Q.Lign on video:



Beissbarth Q.Lign: wheel alignment thought over



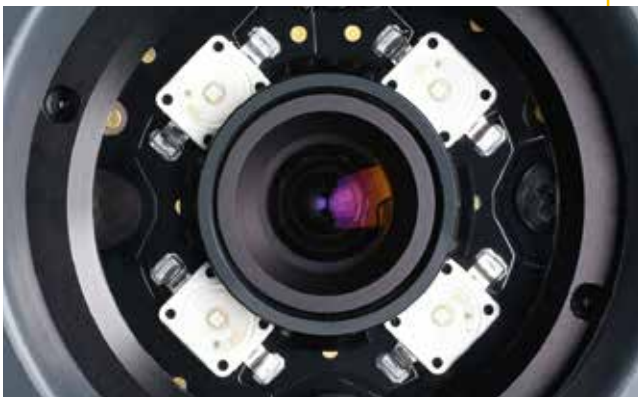
E-paper display

- Shows important information such as firmware version, SSID etc.
- Status information for easy servicing is always accessible
- Display of the last status, even without power supply



Powerful lithium-ion battery

- No cables required at all
- Powerful li-ion battery provides enough power for more than an entire day at the workshop
- Battery replacement during measurement (hot swap) is possible



Customized high precision camera

- Customized design instead of off-the-rack
- Fully optimized for workshop applications
- One position for all wheelbases



Hard-/softshell concept (patented)

- Protection against impacts
- Ergonomic design
- Lightweight and compact



Technology with web access

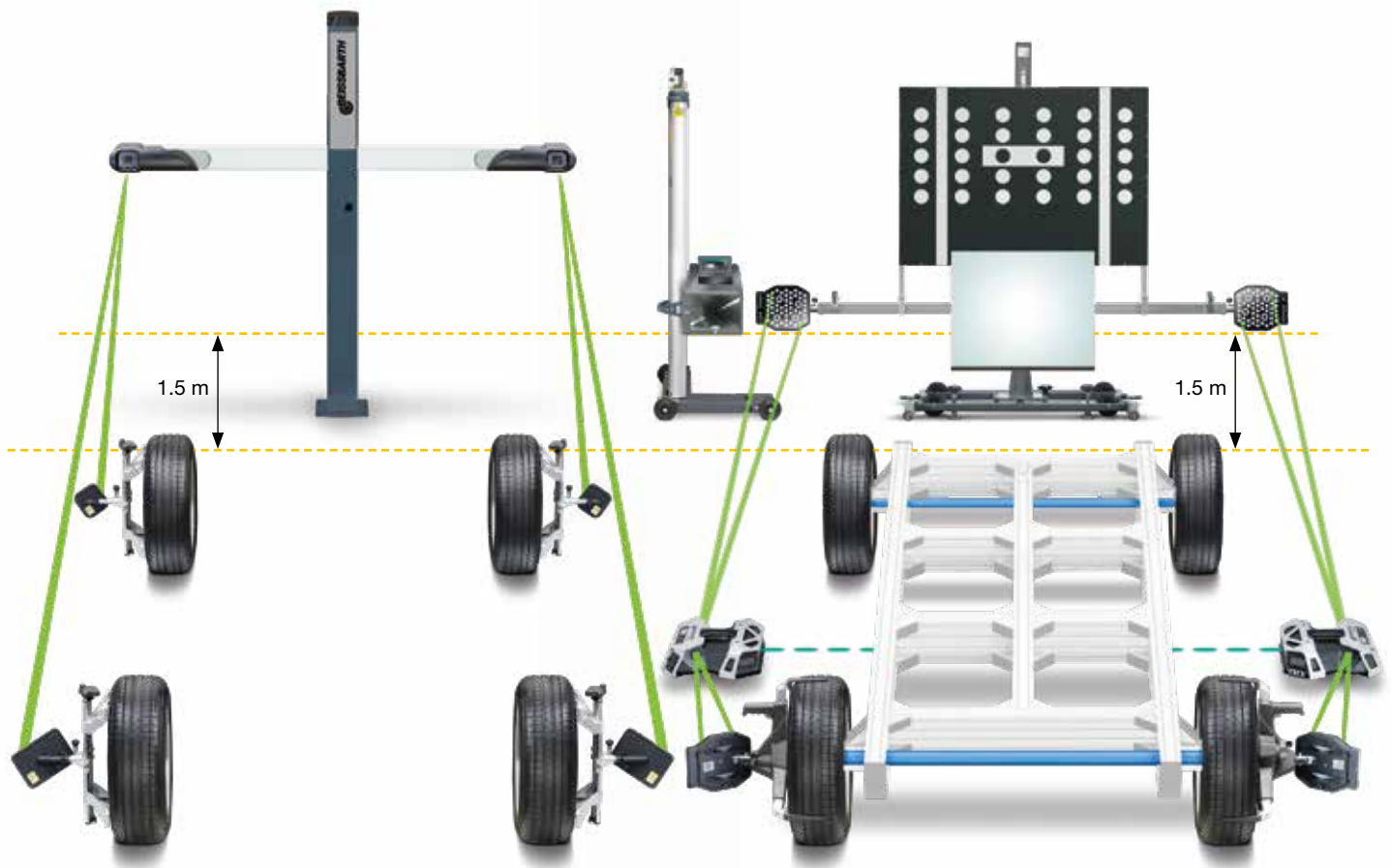
- Access with any browser-based device
- No Windows updates nor licenses
- No PC trolley
- High processing power for faster tracking



OLED Align Screen (patented)

- Results exactly where they are needed
- Clear view on results from any wheel position
- Both hands free for alignment

Q.Lign: more service on less space



Conventional aligners permanently require space in front of the vehicle

Q.Lign leaves space in front of the vehicle for additional services – such as ADAS calibration and headlight adjustment

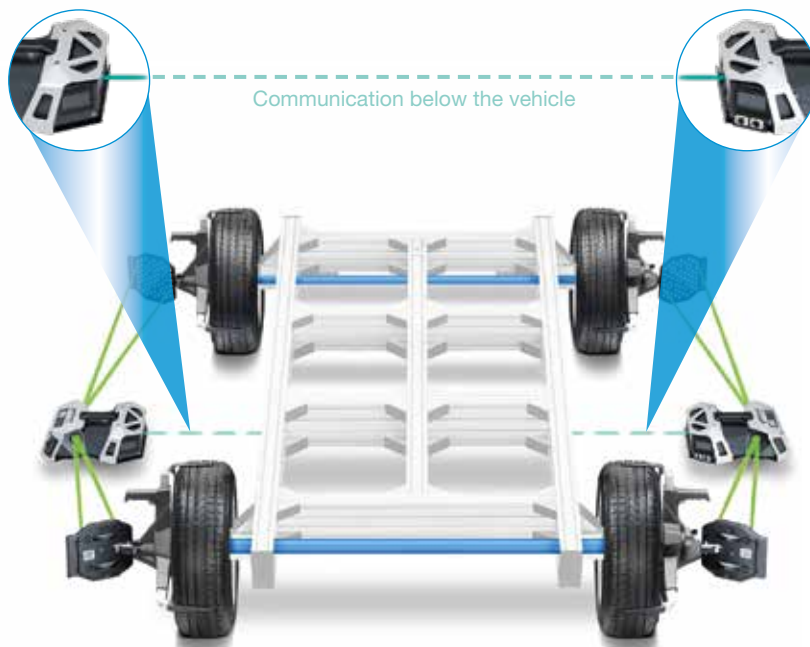
Systems in comparison

Characteristics	ML 3x	Q.Lign
Wheel alignment	•	•
Compatible with all types of lifts	•	•
Free space in front of the lift	–	•
ADAS calibration	–	•
Mobility	–	•
Can be used without PC or trolley	–	•
Physical connection to the lift	–	•
Active reference system during wheel alignment	–	•
Measurement independent from the height of the lift	–	•
Display can be read out from below the vehicle	–	•

Q.Lign: measurement results under full control



Q.Lign: compact, connected and all data at a glance



Q.Lign with active reference system

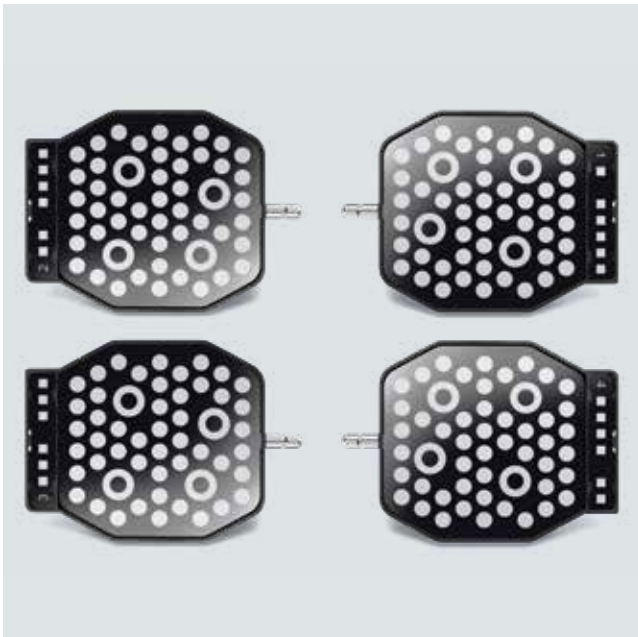
Active reference system: the success formula for straight steering wheels

- Permanent live monitoring
- Compensates vibrations
- Self-levelling

Q.Lign: getting the steering wheel straight and avoiding time-consuming comebacks

Q.Lign is not located in front of the lift, but on its sides. Both of the sensor heads communicate via Q.Lign reference system to pinpoint their spatial position to each other at any moment of the wheel alignment procedure. The more accurate the cameras' positions towards each other is determined, the straighter is the steering wheel in the end.

Q.Lign: next generation wheel alignment



Q.Lign: lightweight and replaceable targets



Q.Lign with QR code as identification label on the back

Faster set-up without mistakes: automatic identification of the targets

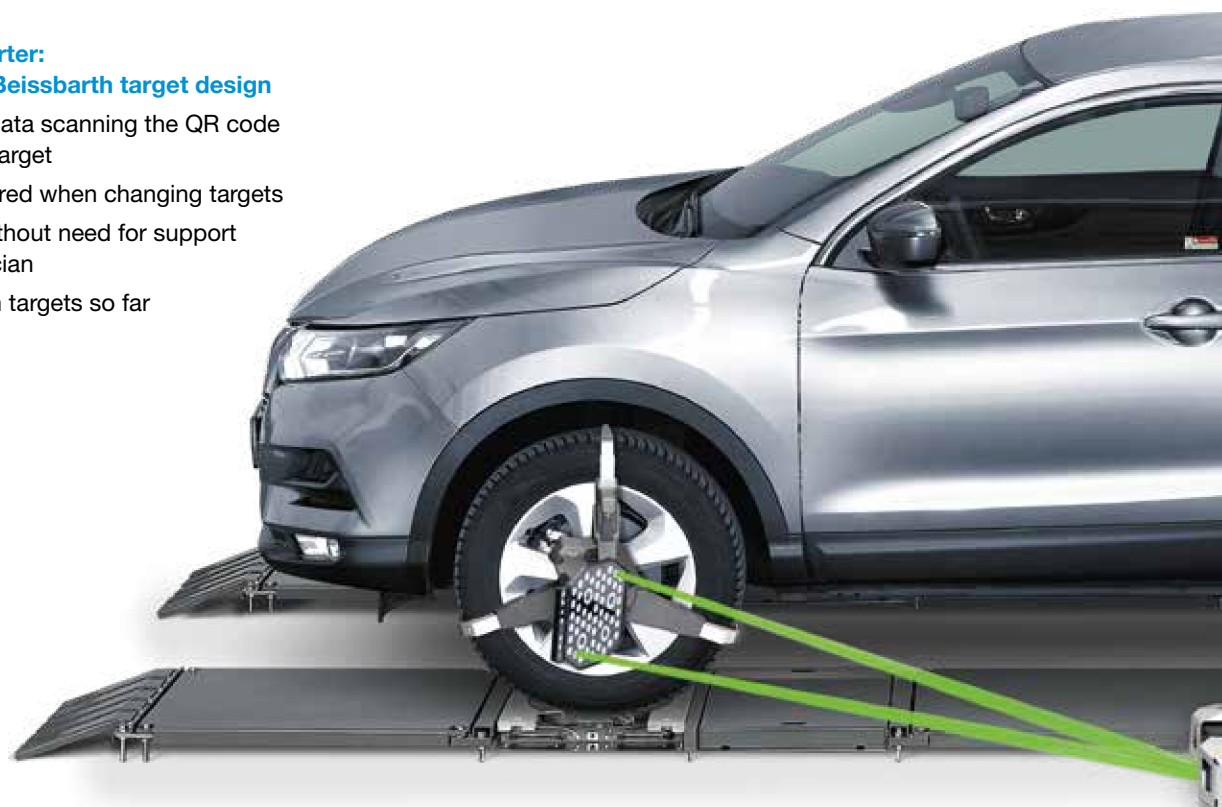
- Identification and automatic activation of the proper calibration data of saved targets independently from the wheel the target is installed on
- Minimizes the risk of incorrect installation of the targets
- Saves up to 8 targets at once

Smaller, easier, smarter: the new (patented) Beissbarth target design

- Saving calibration data scanning the QR code on the back of the target
- No calibration required when changing targets
- Target exchange without need for support by a service technician
- Smallest Beissbarth targets so far

Upgrade made easy: combining the best of different product lines

- New targets work with standard Beissbarth socket
- Compatible with former Beissbarth wheel clamps and those of most third-party manufacturers



Wheel alignment
using Q.Lign

Q.Grip: quick and without rim contact



Q.Grip: quick and no contact to the rim



Q.Grip: safe, firm hold on the wheel

Q.Grip for quick wheel alignment

Compared to conventional clamps, Q.Grips allow five times faster attachment of targets onto the wheel. No removal of hubcaps or installation of special attachments required. Q.Grip is attached onto the tyre without any rim contact.

- Attached within seconds and without rim contact
- Less clamping mistakes and scratches on the rims
- Automatic centring
- Quick switching between different wheel diameters – without cranking



5 TIMES FASTER ATTACHMENT OF TARGETS!

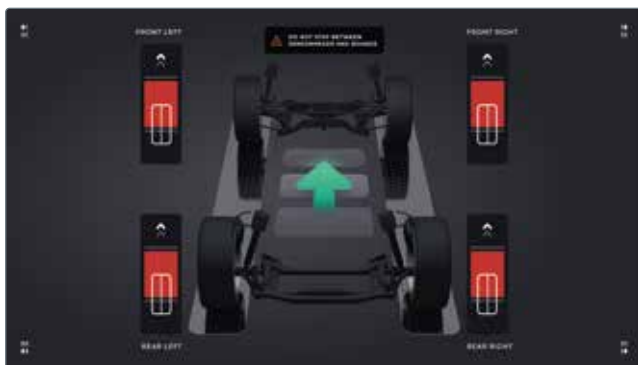
Q.Lign software: powerful and user-friendly



Accurate and easily understood measurement display



Quick detection of accident-caused damages



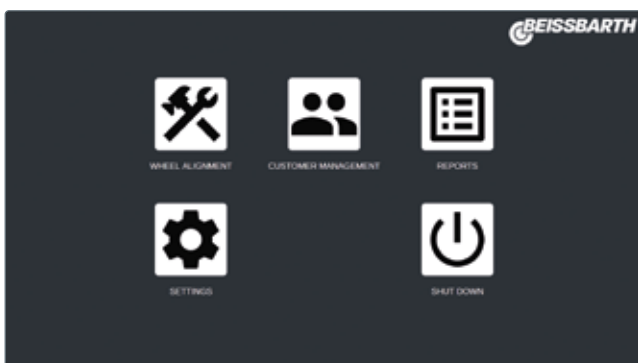
Optimized runout compensation



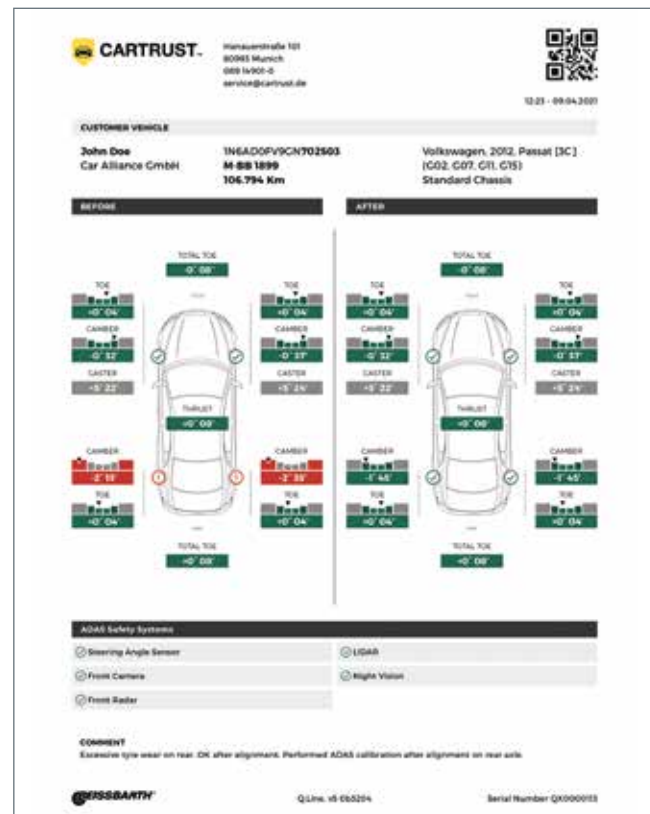
On-the-fly steering lock for quick results



Database including all vehicle manufacturers



Easily understood system settings



Easy-to-understand printouts

Q.Lign:

extremely quick, compact, connected

CUSTOMER MANAGEMENT

REPORTS

BEISSBARTH

☰

REPORTS / OVERVIEW

DATE	CUSTOMER	VEHICLE	REPORT	
Thu, 2/11/2021, 9:18 AM	—	TOYOTA Hilux		
Wed, 2/10/2021, 12:55 PM	Florence Biggen	—		
Wed, 2/10/2021, 12:55 PM	Antoinette Marrone	LINCOLN MK VIII		
Wed, 2/10/2021, 12:55 PM	Antoinette Marrone	—		
Wed, 2/10/2021, 12:55 PM	Luka Rundolldottir	LINCOLN MK VIII		
Wed, 2/10/2021, 12:55 PM	Mechâld Karge	MERCEDES-BENZ Sprinter (W906)		
Wed, 2/10/2021, 12:55 PM	Alan Smith	—		
Wed, 2/10/2021, 12:55 PM	Bernadette Schweitzer	—		
Wed, 2/10/2021, 12:55 PM	Gredi Schiaparelli	—		
Wed, 2/10/2021, 12:55 PM	Mohammed Crist	TESLA Model 3		
Wed, 2/10/2021, 12:55 PM	Oliver Luna	—		
Wed, 2/10/2021, 12:55 PM	Egon Valmarana	MERCEDES-BENZ Sprinter (W906)		
Wed, 2/10/2021, 12:55 PM	Egon Valmarana	—		
Wed, 2/10/2021, 12:55 PM	Gottlob Rienzo	TESLA Model 3		
Wed, 2/10/2021, 12:55 PM	Gottlob Rienzo	—		
Wed, 2/10/2021, 12:55 PM	Frieder Beier	MERCEDES-BENZ Sprinter (W906)		
Wed, 2/10/2021, 12:55 PM	Frieder Beier	—		
Wed, 2/10/2021, 12:55 PM	Vitus Lombardi	—		

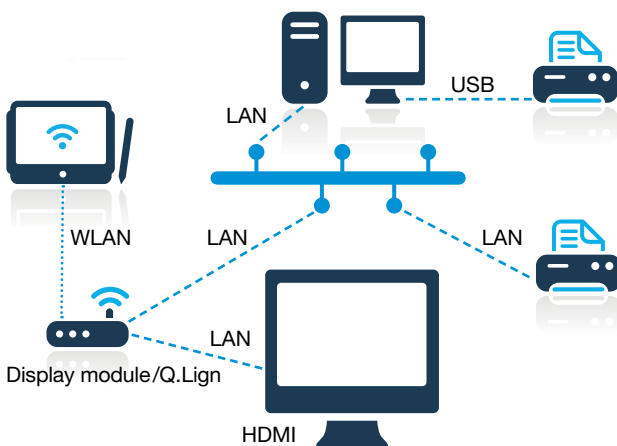
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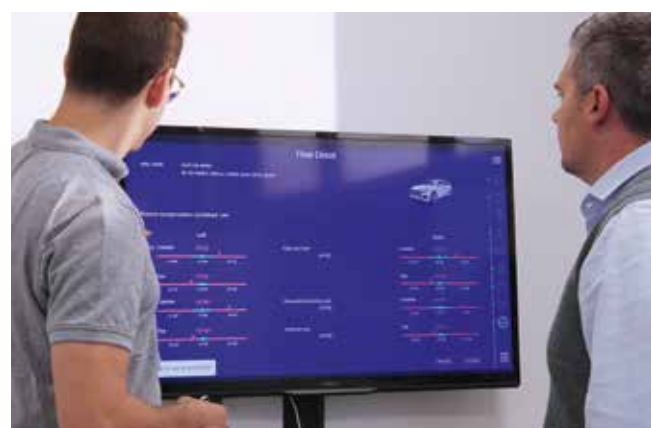
Stream-to-X: access to all measurements performed

Advantages of web-based wheel alignment

- Direct access to all measurement results obtained throughout the entire workshop network
- The results of vehicles measured can be shared with insurance companies and clients as a PDF
- Measurement via tablet or streaming with the customer to be discussed on site
- Using network printers reduces steps and costs
- Permanent supply with programme updates and latest vehicle over-the-air (OTA) updates (in preparation)



Q.Lign: perfectly integrates into workshop networks



Stream-to-X: Throughout the entire network, workshop personnel and clients are able to access the wheel alignment values via LAN or WLAN.

Technical data and scope of delivery

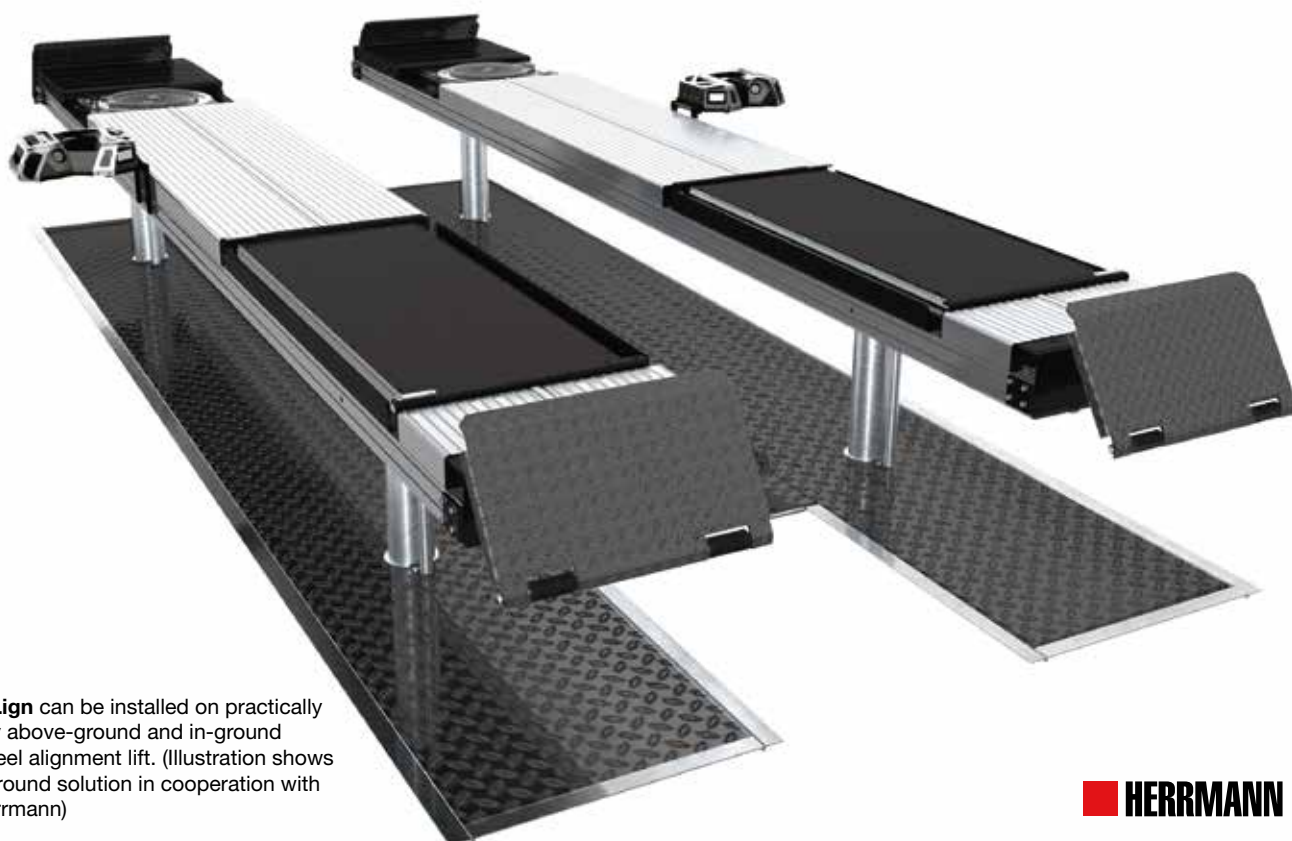
Q.Lign

Technical Data:

Description	Data
Dimensions of sensor heads (H x L x W)	137 x 372 x 311 mm
Weight of sensor heads	6 kg
Wheelbase	1 800–4 500 mm
Span Q.Grip	525 mm–840mm/20.6"–33" wheel diameter
Assembly time Q.Grip	3 sec
Weight Q.Grip	2.65 kg
Side profile lift adaptation	12 mm
Dimensions of trolley, without display (H x W x D)	1 111 x 781 x 680 mm
Battery charging time	<3 h
Battery capacity	99.4 Wh
Battery life in full operation	19 h

Scope of delivery:

Q.Lign	Compact 1 690 200 001	Excellence 1 690 200 002	Kit 1 690 200 003
2 compact Q.Lign sensor heads with OLED displays	•	•	•
Display module for direct streaming to TV, PC, laptop or tablet	•	•	•
4 targets with auto-identification	•	•	•
Lift adaption	•	•	•
2 Li-Ion batteries (right/left)	•	•	–
Charging station	•	•	–
4 Q.Grip wheel holder without rim contact	•	•	–
Front turnplates with filling pieces	mechanical	mechanical	–
Wall board for sensor heads and charging station	•	–	–
Tablet	•	–	–
Trolley with monitor 27" and printer	–	•	–



Q.Lign can be installed on practically any above-ground and in-ground wheel alignment lift. (Illustration shows inground solution in cooperation with Herrmann)

Accessories

Q.Lign



Adapter set Q.Grip for Q.Lign 4 pcs.
Order number: 1 690 101 010



Powerbox for Q.Lign
Order number: 1 690 201 029



Duo-battery charging station for Q.Lign
Order number: 1 690 201 069



Battery for Q.Lign, Li-Ion, 99 Wh
Order number: 1 690 203 019



Emergency power box for Q.Lign
Order number: 1 690 201 030



Lift adaptation for Q.Lign
Order number: 1 690 201 035



Tablet for Q.Lign, Android, 10.1"
Order number: 1 693 770 644



Wall board for Q.Lign
Order number: 1 690 201 054



Trolley with 27" monitor for Q.Lign
Order number: 1 690 201 055



Printer for Beissbarth trolleys
Order number: 1 693 770 415



Mouse and keyboard, wireless
Order number: 1 693 770 634

Further accessories:

Description	Order number
Connecting cable 10 m	1 690 203 025
Connecting cable 15 m	1 690 203 041
Mechanical aluminum turntable, standard	1 690 501 001
Mechanical aluminum turntable, precision	1 690 401 028
Electronic aluminum turntable w/o connecting cable, standard	1 690 401 011
Electronic aluminum turntable w/o connecting cable, precision	1 690 401 013
Connecting cable for electronic turntables	1 690 403 001
Protective rubber cover for aluminum turntable	1 690 402 001

Description	Order number
Filling piece for aluminum standard turntable	1 690 702 082
Filling piece for aluminum precision turntable	1 690 102 041
Sliding plate for rear axle, short	1 690 401 003
Sliding plate for rear axle, long	1 690 401 004
Drive-on ramps for two aluminum turntables	1 690 701 052
Drive-on ramps for turntables and sliding plates	1 690 103 008
Brake tensioner	1 690 401 006
Steering wheel lock	1 690 401 007

Calibration of driver assistance systems in combination with Q.Lign

Only calibrated driver assistance systems provide protection in case of critical situations. ADAS calibration has long since become an indispensable service task of automotive workshops – a service bought in externally or performed right at the workshop.

Compulsory: ADAS calibration

- in the event of an accident
- in the event of windscreen replacement
- after replacing ADAS sensors
- after performing a chassis adjustment and after numerous other repairs

Q.Lign: team player at the workshop

Due to its low space requirements, Q.Lign allows performing ADAS calibration on the same work station.

BBFAS: Beissbarth ADAS calibration

Beissbarth ADAS calibration guides the user through the entire alignment process independently from the diagnostic tester.

- Runout compensation
- Compensation of clamping mistakes
- Digital live monitoring of the alignment
- Digital distance measurement
- Automatic compensation of height differences
- ADAS calibration documented on the wheel alignment protocol



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G.20 & G.20 LCD

WHEEL BALANCER



STANDARD SERVICE

G.20 and G.20 LCD: Balance like a Pro – maximum results, minimal space

17" touchscreen as standard:

- Easy and fast operation
- Intuitive graphics
- Compatible with gloves
- Optionally available as an LCD version

Balancing in 4.7 seconds – world record!

- Automatic program selection (adhesive/clip-on)
- Electromagnetic brake automatically stops the wheel
- Quick placement of adhesive weights with line laser
- Closing the wheel guard automatically starts the balancing process

Measure where others are guessing: Auto Adaptive Mode

- Highest measurement accuracy with ± 0.5 g
- Automatic dynamic tolerance adjustment based on the weight and size of the wheel
- Eliminates even the smallest vibrations that the driver would feel otherwise
- Perfect for electric vehicles where any residual imbalance is felt immediately



Smart data arm: Determines rim width without sonar

- Automatic detection of rim width on steel rims using the first correction plane
- Automatic determination of rim width on aluminum rims via data arm
- Significantly more compact than machines with sonar, with the same performance

Premium quality starting from the smallest machine:

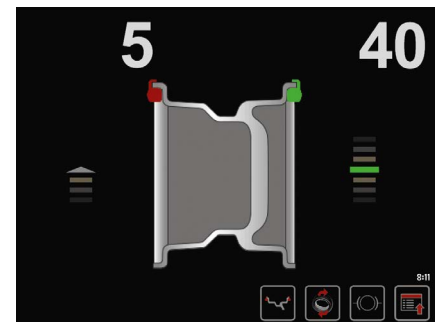
- Optimized weight tray with cutouts for three standard cones
- LED lighting for better visibility inside the wheel
- Robust construction for wheels up to 75 kg
- Effortless balancing of rims up to 20" in width and 30" in diameter

Scope of delivery:

Description	G.20	G.20 LCD
Order number	1 692 501 000	1 692 501 007
Clamping style	Mechanical	Mechanical
Rim width	1.5–20"	1.5–20"
Rim diameter	10–30"	10–30"
Max. wheel diameter	36" 914 mm	36" 914 mm
Balancing time	4.7 s	4.7 s
Balancing speed	100 rpm	100 rpm
Display	17" touchscreen	LCD
LED illumination	●	—
Max. wheel weight	75 kg	75 kg
Balancing accuracy	±0.5 g	±0.5 g
Power	230 V 1 Ph 50–60 Hz	230 V 1 Ph 50–60 Hz
Output	0.15 kW	0.15 kW
Dimensions L x W x H	1,100 x 960 x 1,550 mm	1,100 x 960 x 1,550 mm
Weight	110 kg	110 kg
Shaft diameter	40 mm	40 mm
Shipping dimensions L x W x H	1,100 x 700 x 1,165 mm	1,100 x 700 x 1,165 mm
Standard accessories	G.20	G.20 LCD
Cones	3 x Standard (Ø45–110 mm)	3 x Standard (Ø45–110 mm)
Clamp	Quick-lock nut 40 x 3	Quick-lock nut 40 x 3
Quick locking sleeve	●	●
Spacer	●	●
Clamping ring	●	●
Weight pliers	●	●
Calibration weight 60 g	●	●
Available languages (Software)	DE, EN, IT, ES, FR, PT, PL, HR, SK, CS, NL, HU, NO, SV, FI, EL, KO, RU, HE RO, SR	—

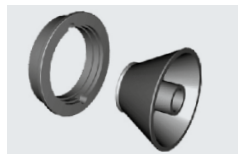
G.20: Top performance at a fraction of the cost

- Data arm up to 30"
- Virtual sonar for automatic steel rim width detection
- LED lighting
- Inner line laser for adhesive weights
- Automatic electromagnetic brake
- Auto Adaptive Mode with dynamic tolerance adjustment
- Split program to hide weights behind spokes



Easy operation with intuitive graphics

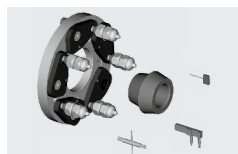
Optional accessories:



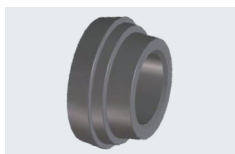
Cone set for light CVs
Center hole Ø 97–170 mm
Order number: 1 692 502 046



Quick lock sleeve with protective ring for aluminum rims
Order number: 1 692 502 044



Universal flange for 3-4-5-6 hole rims
Bolt pattern Ø 95–210 mm
Order number: 1 692 502 037



Stepped cone for German OEMs
Center hole Ø 56.5, 57, 66.5, 70, 72.5 mm
Order number: 1 692 502 049

Wheel lift G.Zero: Lifts heavy wheels at the push of a button



Wheel lift G.Zero
Order number: 1 692 502 000

- **Effortless lifting** of wheels up to 80 kg with automatic weight compensation
- **Memory function** stores exact height for next wheels automatically
- **No time wasted:** lifts faster than comparable solutions
- **Easily adjustable** in height and lateral direction

G.30

WHEEL BALANCER

VOLUME SERVICE

BEISSBARTH

G.30 for tyre specialists: quick and precise balancing in tight spaces

17" touchscreen as standard:

- Easy and fast operation
- Intuitive graphics
- Compatible with gloves

Balancing in 4.7 seconds – world record!

- Automatic program selection (adhesive/clip-on)
- Electromagnetic brake automatically stops the wheel
- Quick placement of adhesive weights with line laser
- Closing the wheel guard automatically starts the balancing process

Measure where others are guessing: Auto Adaptive Mode

- Highest measurement accuracy with ± 0.5 g
- Automatic dynamic tolerance adjustment based on the weight and size of the wheel
- Eliminates even the smallest vibrations that the driver would feel otherwise
- Perfect for electric vehicles where any residual imbalance is felt immediately



Data arm and rim width sonar: Semi-automatic for professionals

- Automatic detection of rim width
- Automatic detection of rim type via data arm
- Quick placement of adhesive weights with line laser.

Premium quality starting from the smallest machine:

- Optimized weight tray with cutouts for three standard cones
- LED lighting for better visibility inside the wheel
- Robust construction for wheels up to 75 kg
- Effortless balancing of rims up to 20" in width and 30" in diameter

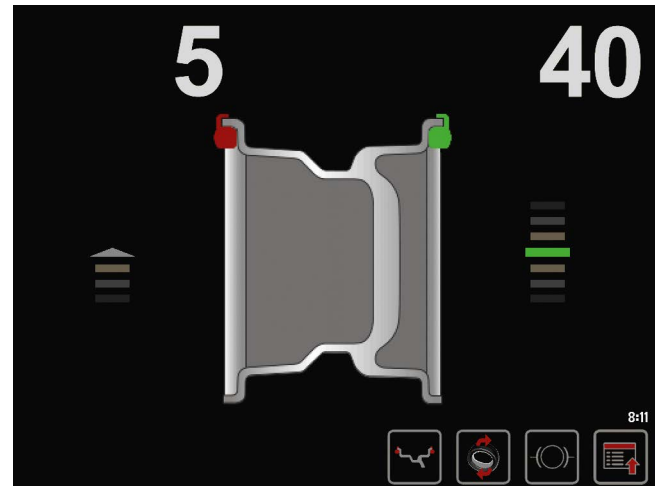
Scope of delivery:

Description	G.30
Order number	1 692 501 001
Clamping style	Mechanical
Rim width	1,5–20"
Rim diameter	10–30"
Max. wheel diameter	36" 914 mm
Balancing time	4.7 s
Balancing speed	100 rpm
Display	17" touchscreen
Max. wheel weight	75 kg
Balancing accuracy	± 0.5 g
Power	230 V 1 Ph 50–60 Hz
Output	0.15 kW
Dimensions L x W x H	1,100 x 960 x 1,550 mm
Weight	110 kg
Shaft diameter	40 mm
Shipping dimensions L x W x H	1,100 x 700 x 1,165 mm

Standard accessories	G.30
Cones	3 x Standard (Ø 45–110 mm)
Clamp	Quick-lock nut 40 x 3
Quick locking sleeve	•
Spacer	•
Clamping ring	•
Weight pliers	•
Calibration weight 60 g	•
Available languages (Software)	DE, EN, IT, ES, FR, PT, PL, HR, SK, CS, NL, HU, NO, SV, FI, EL, KO, RU, HE RO, SR

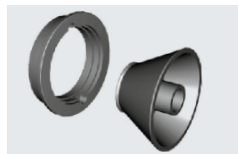
G.30: Precise balancing in tight spaces

- Data arm up to 30"
- External sonar for automatic rim width detection
- LED lighting
- Inner line laser for adhesive weights
- Automatic electromagnetic brake
- Auto Adaptive Mode with dynamic tolerance adjustment
- Split program to hide weights behind spokes



Easy operation with intuitive graphics

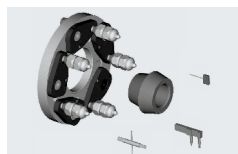
Optional accessories:



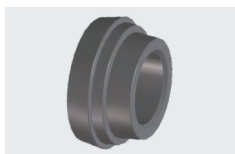
Cone set for light CVs
Center hole Ø 97–170 mm
Order number: 1 692 502 046



Quick lock sleeve with protective ring for aluminum rims
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Universal flange for 3-4-5-6 hole rims
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Wheel lift G.Zero
Order number: 1 692 502 000

- **Effortless lifting** of wheels up to 80 kg with automatic weight compensation
- **Memory function** stores exact height for next wheels automatically
- **No time wasted:** lifts faster than comparable solutions
- **Easily adjustable** in height and lateral direction

TC22 & TC22 PRO

TYRE CHANGER



STANDARD SERVICE

TC22 and TC22 Pro: Standard for passenger car tyre changing up to 25"



Turntable with automatic centering jaws

- Clamping range from 10–25 inches
- Duo cylinders for maximum clamping power
- 2 rotation speeds: 8 and 16 rpm
- Square shape for easier lever use

Also available with jaw inflation technology (TI)

High rigidity by design

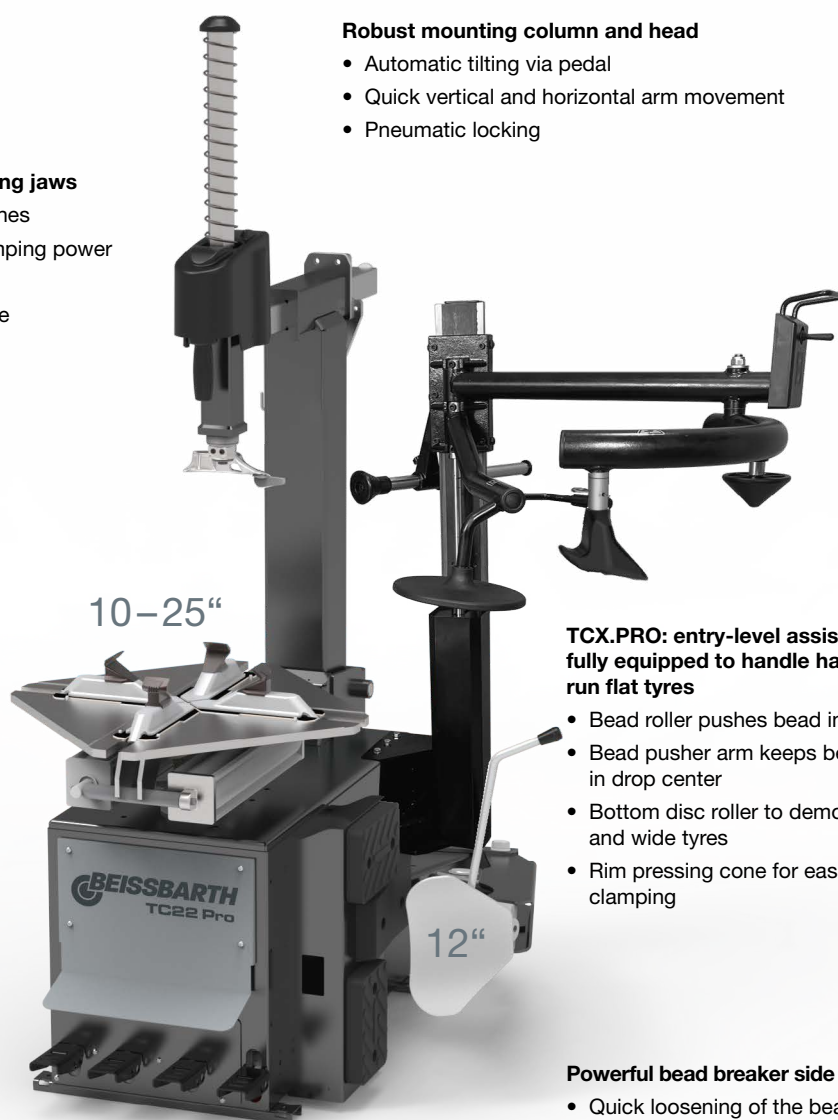
- Full metal pedals
- Powerful tool arm
- Robust metal front cover

Full control with four pedals

- Pedal control for rotation, side shovel, column tilting, and clamping
- Removable pedal unit for easier maintenance

Robust mounting column and head

- Automatic tilting via pedal
- Quick vertical and horizontal arm movement
- Pneumatic locking



TCX.PRO: entry-level assistance column fully equipped to handle hard UHP and run flat tyres

- Bead roller pushes bead in drop center
- Bead pusher arm keeps bead in drop center
- Bottom disc roller to demount stiff and wide tyres
- Rim pressing cone for easier external clamping

Powerful bead breaker side shovel

- Quick loosening of the bead
- Up to 12" tyre width
- Three-way adjustable blade
- Controlled via pedal
- Anti-skid rubber protection

Scope of delivery:

Description	TC22	TC22 TI	TC22 TI	TC22 Pro
Order number	1 692 401 000	1 692 401 010	1 692 401 012	1 692 401 001
Inside clamping	12–25"	12–25"	12–25"	12–25"
Outside clamping	10–22"	10–22"	10–22"	10–22"
Max. wheel width	12" 305 mm	12" 305 mm	12" 305 mm	12" 305 mm
Max. wheel diameter	39" 1,000 mm	39" 1,000 mm	39" 1,000 mm	39" 1,000 mm
Turntable height	670 mm	670 mm	670 mm	670 mm
Mounting paste holder	Up to 10 kg	Up to 10 kg	Up to 10 kg	Up to 10 kg
Air supply	8–12 bar	8–12 bar	8–12 bar	8–12 bar
Inflation	Inflation gun	Jaw inflation	Jaw inflation	Inflation gun
Power	0,8–1,1 kW	0,8–1,1 kW	1,1 kW	0,8–1,1 kW
Power supply	400 V 3 Ph 50–60 Hz	400 V 3 Ph 50–60 Hz	230 V 1 Ph 60 Hz	400 V 3 Ph 50–60 Hz
Rotation speed	8–16 rpm	8–16 rpm	7,5 rpm	8–16 rpm
WDK-approved	–	–	–	●
Assistance Arm	Optional	Optional	Optional	TCX.Pro
Bead roller	–	–	–	Standard
Bead pusher arm	–	–	–	Standard
Bottom disc roller	–	–	–	Standard
Rim pressing cone	–	–	–	Standard

Standard accessories	TC22	TC22 TI	TC22 TI	TC22 Pro
Front head protection	5 x	5 x	5 x	5 x
Rear head protection	2 x	2 x	2 x	2 x
Cylinder protection	●	●	●	●
Power plug	●	●	●	●
Brush	●	●	●	●
Lever	Standard	Standard	Standard	WDK
Lever protection	Optional	Optional	Optional	●
Cylinder protection	Optional	Optional	Optional	●
WDK RFT/UHP clamp	Optional	Optional	Optional	●
WDK rim protector	Optional	Optional	Optional	●

Optional accessories:



Storage kit
Provides additional storage
Order number: 1 692 402 014



TCX.Pro
Pneumatic assistance column
Order number: 1 692 402 018

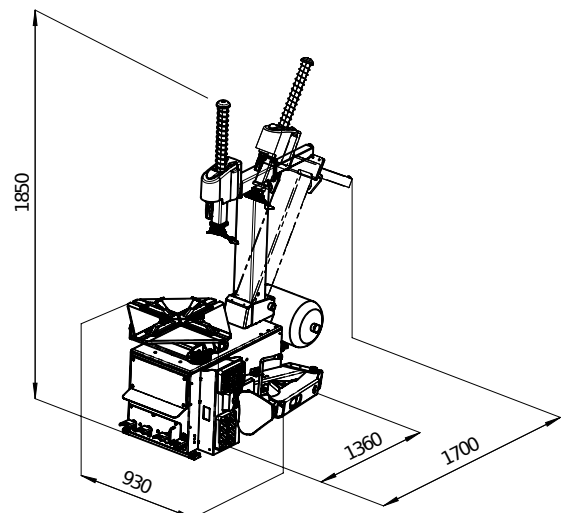


Wheel lift
Optional wheel lift for heavy assemblies
Order number: 1 692 402 035



Roller board
Rotate wheels for bead breaking without lifting
Order number: 1 692 402 036

Dimensions TC22



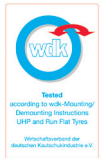
AKIMBO MK2

PREMIUM TYRE CHANGER

BEISSBARTH

PREMIUM SERVICE

Akimbo MK2 – refined to redefine: Changes passenger car tyres up to 33"



Pneumatic bead pusher

- Powerful bead pusher
- Easier handling of tough assemblies
- Independently controllable
- Mounted to main column and not the tool arm to eliminate flexing

Center clamping

- Higher clamping force and precision
- Easily handles up to 33" rims
- Robust mechanical locking pin
- Automatic radial adjustment of center post and tools to different rim sizes

Wheel lift

- Lifts wheels directly onto center post
- No stress on technician's back
- Lifts up to 80 kg assemblies

Powerful mounting tool

- Eliminates need for lever
- No flexing during tough assemblies
- No contact with the rim
- For mounting and demounting

Double bead breaker discs

- Synchronized movements but independently controllable
- Effective loosening of the upper and lower bead
- Radially adjust with movement of the center post
- Standard equipped with laser for easier positioning

Intuitive button designs

- Easy navigation
- Technician stays on one side during use
- Automatic removal of all tools via buttons
- Pneumatic control, no Bowden cables
- Adjustable control unit

NEW: Bead Lock Pro

- Supports with positioning of the traction point
- Prevents hard tyres from slipping on the rim

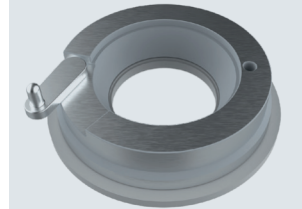


Scope of delivery:

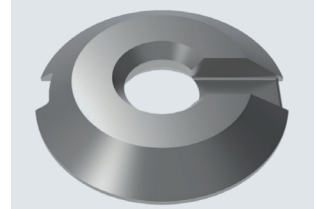
Description	Akimbo MK2
Order number	1 692 501 015
Clamping range	10–33"
Max. wheel width	15" 380 mm
Max. wheel diameter	47" 1,200 mm
Mounting paste holder	Up to 10 kg
Air supply	8–10 bar
Inflation	Pedal
Power	1,5 kW
Power supply	230 V 1 Ph 50–60 Hz
Rotation speed	8–18 rpm
WDK-approved	•
Bead pusher arm	Premium
Bead breaker discs	2 x
Wheel lift	•
Laser positioning	•

Standard accessories	Akimbo MK2
Upper tool protection	3 x
Lower tool protection	2 x
Center-post protection	2 x
Power plug	•
Brush	•
WDK RFT/UHP clamp	•
WDK rim protector	•
Plastic lever	•
Mounting finger (optional)	1 692 402 016
Bead Lock Pro / Serie	•

Special accessories (optional):



Light truck spacer
For clamping light truck wheels
Order number: 1 692 402 215



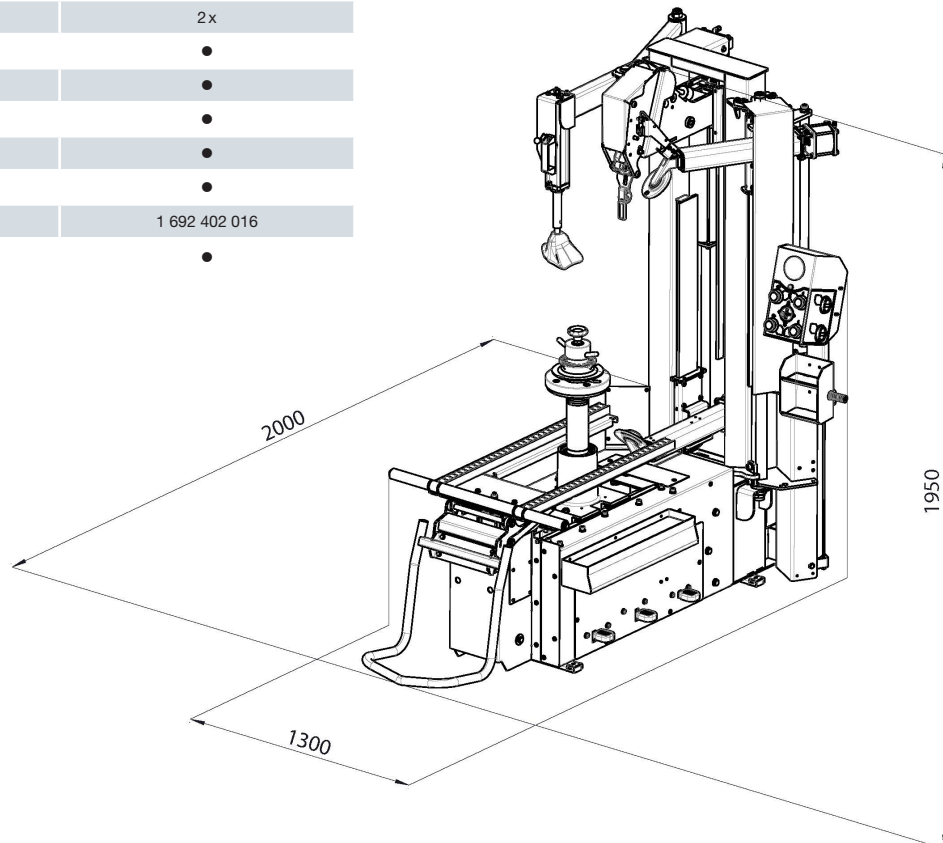
Light truck cone
For clamping light truck wheels
Order number: 1 692 402 213



Blast Inflation
Quickly seats the bead with powerful air blast
Order number: 1 692 402 163



Reversed wheel kit
For clamping reversed and closed center rims
Order number: 1 692 402 024



Dimensions Akimbo MK2