



BMW subsidiary Leipzig

Vision. Innovation. Dimension.

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BMW subsidiary Leipzig, is opened since 4th of March 2006.

„Before in a configured revolutionary, BMW-workshop is now developed to be the BMW-subsiary.“ (Web site of BMW-subsiary in Leipzig)

#### The configuration

The subsidiary is configured with 8 in-ground lifts and a BMW's proved and released wheel-alignment lift in its workshop, as well as, 2 in-ground lifts in its acceptance.



Top Lift 2.35 TSK-BMW

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The branch office is equipped with 8 Nussbaum's in-ground lifts with different platforms, Top Lift.



For wheel-alignment, the Uni Lift 4000 Plus BMW, is specially developed for BMW vehicles.

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## The acceptance

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Acceptance area and consultancy service



The new 2.32 TSAP · 2-pistons-lift with wheel-free lift,  
special flat and transversal runways

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Acceptance area and consultancy service



Upward adjusted, integrated lighting, in the runways.

### Top Lift 2.32 TSAP Design

The Top Lift 2.32 TSAP Design is a 2-pistons-lifts with flat runways and an integrated length adjustable wheel-free lift, after piston-in-piston principle. Buckling resistant traverse with screwed lifting pistons, ensure the synchronization and prevent preturning of the platform.

The lift and wheel-free lift have a lifting capacity of 3.200 kg.

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## The workshop

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Top Lift 2.35 TS with length adjustable, and galvanized lifting platform



The workshop is equipped with a Top Lift 2.35 TSK, seven of Top Lift 2.35 TS, as well as, a Uni Lift 4000 Plus BMW

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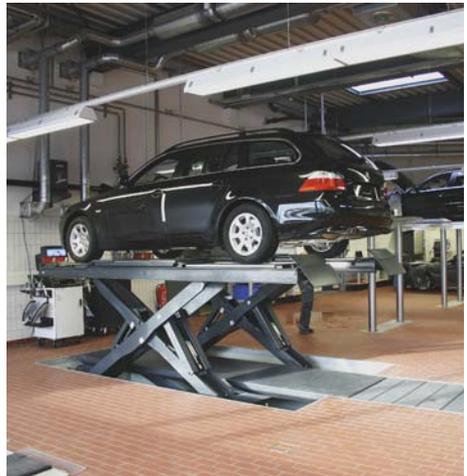
Top Lift 2.35 TS



Top Lift 2.35 TSK



Top Lift 2.35 TS



Uni Lift 4000 Plus in-ground  
installation with pit and  
accessible floor compensation

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## The wheel-alignment lift for BMW

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### Uni Lift 4000 Plus BMW – functionality and safety

The Uni Lift 4000 Plus BMW was special developed together with BMW's specialists and after BMW's requirements. The lift works under approved Master-Slave principle and safely lifts up passenger cars up to 4.000 kg.

### Wheel-alignment for highest precision

The BMW requested accuracies between left and right runways of maximum  $\pm 0,25$  mm and also between front- and back-end of runways, as the case may be diagonal of maximum  $\pm 0,5$  mm, which Nussbaum has exactly fulfilled these specifications.



Control unit



Dual adjustable safety ratchet system

### Sliding plates

The precision sliding plates, which are on roller bedded, can be twisted with weight of 1.000 kg, 5 Nm and sideways slid. The sliding plates are special flat, total drive-on height of the runways is 235 mm.

### Compensating elements

Easily movable compensating elements at position of turntables, for balancing the different heights of runways. At its underneath, plastic sliding knobs are mounted, it avoids damages of painted surfaces and creation of corrosion.



Plastic sliding knobs

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## The wheel-alignment lift for BMW

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In-ground Installation of Uni Lift 4000 Plus BMW with pit and accessible floor compensation, make driving on also possible in cramped workshop.

### Ergonomic and time optimized works

The automatic floor compensation is equipped with stairs, which works with a hydraulic system. The stairs can be driven on at closed position without any problem. Through an individual and fast automatic floor compensation, guarantees flexible works at vehicles. It is possible for several motor mechanics to work at the vehicle at the same time. No continuously lifting and lowering of the lift is necessary during measuring and positioning. The lift and floor compensation can be lifted and lowered separately of each other.



automatic floor compensation with stairs

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Turntables · vertical extend roll off protectors



Sliding plates

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The **Nussbaum-group** is one of the worldwide leading manufacturer of automotive lifts for passenger cars and heavy duty vehicles. The company was founded in 1943 remains a family business based in the original headquarters in Kehl, Germany. Nussbaum employs more than 950 employees, there of 120 doing their apprenticeship, and produces at 6 factories in Germany.

Besides the main business automotive lifts, the Nussbaum-group also manufactures automatic parking systems, smart tower and car tower for other famous brands. The Nussbaum strategy innovation and cost leadership results in a high vertical integration of all production processes. The special cylinders, valves or hydraulic systems for industrial facilities are as well parts of the product portfolio and characterize Nussbaum as specialist for components and reliable supplier for the industry. The modular workshop system carsatellite bundles the know-how of all business sectors and allows Nussbaum to act as all-round supplier for the automotive service market.