



## UNI LIFT

Scissors Lifts

UNI LIFT NT

UNI LIFT CLT Quattro

UNI LIFT Quick Test Quattro

# UNI LIFT

The specialists



The hydraulic scissors lifts of the UNI LIFT Series are the perfect solution for general repair, wheel alignment, test lanes and car reception areas.

The UNI LIFT Series have lifting capacities from 3.500 kg for cars up to 5.000 kg for vans and commercial vehicles. All types of the UNI LIFT are available with flat runways, wheel alignment set and/ or wheel-free lift as well several runway lengths.

The patented NUSSBAUM kinematical module allows a very low drive-on height. Furthermore, there is no fixed connection between the runways since the synchronization is hydraulic. Therefore, the UNI LIFT can be installed without extensive ground works either above-ground with access ramps or flushed installation for a optimal utilization of the area. The UNI LIFT has a high performance oil-submerged motor for a quiet and long-lasting operation.

## Version

- **AMS – Wheel Alignment Set:** Installation of rear sliding plates, front recesses for turntables and mechanical locking system.
- **Plus – Wheel-free lift:** Scissors wheel-free lift with adjustable lifting platforms and polymer pads
- **Plus AMS – Wheel-free lift and wheel alignment set:** Wheel alignment set and wheel-free lift are aligned at one level with adjustable filling boxes between the wheel-free lift and the turntables.

## 3500 NT & 5000 NT

### Your partner for the car reception

The UNI LIFT NT scissors lifts are fully hydraulic operated; without air supply or electric switches, thereby they required very low maintenance. The redundant hydraulic system with two independent hydraulic circuits guarantees perfect synchronization

and safe lifting and lowering even without mechanical latch, which is especially added for the wheel alignment or as optional.

The powerful quite oil-submerged motor provide for fast lifting and lowering times.

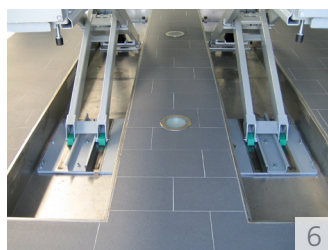
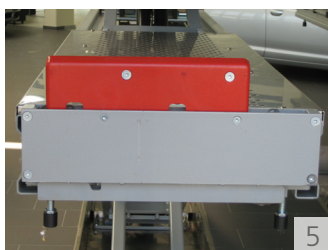


Present the vehicles in an exclusive environment and from an unusual perspective.

Highlight the benefits of the vehicles for the customer. With the in-ground installation you have an almost invisible lift in the showroom area allows a dynamic selling process. Show your customers benefits and quality of each car from different angles. Your sales team will thank you.

UNI LIFT 3500 & 5000 NT – short and brief

- Without columns, compact and space-saving design
- No fixed connection between the runways
- Without complex installation works, possible as above-ground and in-ground installation
- Very compact and low construction with short access ramps
- Redundant hydraulic system with two independent hydraulic circuits
- Powerful, quiet and long lasting oil-submerged motor
- Fast lifting and lowering times



- 1 UNI LIFT 3500 NT PLUS AMS
- 2 UNI LIFT 3500 NT PLUS INOX DESIGN – in-ground installation
- 3 UNI LIFT 3500 NT PLUS INOX DESIGN
- 4 Wheel-free lift with adjustable lifting platforms
- 5 Optional vertical roll-off protectors
- 6 Installation frame for flushed installation

# UNI LIFT 5500 CLT Quattro

The perfect partner for the wheel alignment

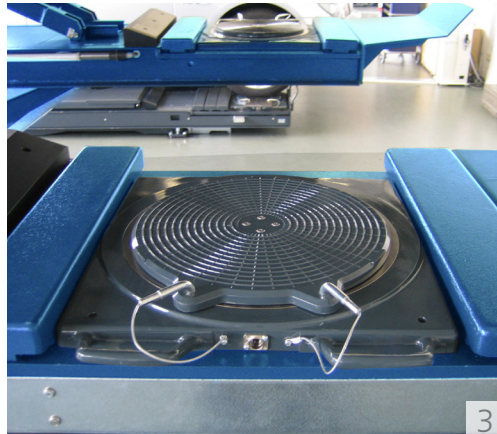


- 1 UNI LIFT 5500 CLT Quattro with split access ramps
- 2 Rear sliding plates and wheel-free stay a tone level thanks to the adjustable flat plates
- 3 Recess for the front turntables, adjustable to the car length
- 4 UNI LIFT 5500 CLT Quattro with split access ramps, even very low vehicles represent no problem.

The high requirements for a accurate wheel alignment is also a challenge for the alignment lift. The UNI LIFT CLT with its unique technology is the answer to these demands.

The scissors lifts CLT with capacities of 3500 and 5000 and the long runways are the ideal lift for wheel alignment. Thank to the unique SST system developed by Nussbaum, the UNI LIFT CLT guarantees perfect leveling and mechanical locking at any height. The UNI LIFT CLT 3500 and 5000 are available with flat runways, wheel-free lift and wheel alignment set.

The UNI LIFT 5500 CLT Quattro with 5500 kg lifting capacity and 5200 mm long runways has been developed to meet the highest demands to wheel alignment even for big vehicles and vans. The UNI LIFT Quattro has 2 SST-cylinders under each runway ensuring the highest accuracy. The standard scope of supply includes wheel alignment set and adjustable wheel-free lift for smart up to S-class.



Through the patented electronic synchronization system SST (Safety Star Technology), the lift achieves a unique accuracy to the tenth of a millimeter at every height.

The SST works with position measuring sensors, through proportional valves and locks the lift mechanically at every height. Furthermore, the SST locks the lift safely at every height.

Integrated digital pad with LED-display in the control panel control column enables the programming of several working heights for even a faster and more comfortable work, especially for wheel alignment.

The lifts can be connected via ISDN or Modem with the next NUSSBAUM service partner online (interface option).

#### UNI LIFT CLT – in few words

- SST – Safety Star Technology, electronic synchronization
- Precise wheel alignment and permanent repeatable measuring data
- Without columns, compact and space-saving design
- No fixed connection between the runways
- Without complex installation works, possible as above-ground and in-ground installation
- Very compact and low construction with short access ramps
- Redundant hydraulic system with two independent hydraulic circuits
- Powerful, quiet and long lasting oil-submerged motor
- Fast lifting and lowering times with programmable working heights



#### Perfect combination: UNI LIFT & WA 9xx

- Wheel alignment system with modern 8 sensors CCD technology, Windows based
- Integration in the workshop network by RS 232 or USB interface
- Vehicle data base of more than 20,000 vehicles data
- Accuracy up to 0,01 degrees
- Steering angle procedure up to 24 degrees on mechanical turntables – no electronic turntables necessary
- Standard with 4 point wheel clamps easy and fast to fasten. Optional 3 point wheel clamps available.
- With special kit upgrade to a computerized truck wheel alignment system
- Future-proof and network compatible (asa network in Germany as option)

## 4000 Quattro NT & 5000 Quattro Quicktest

the specialists for fast and efficient testing processes



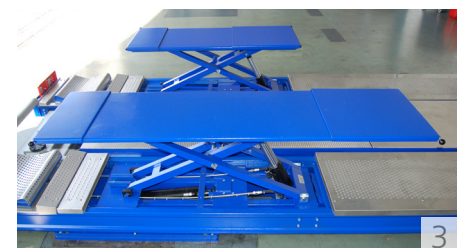
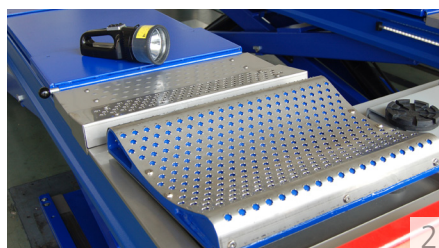
### UNI LIFT QUATTRO QUICKTEST – in few words

- Wheel-free lift with adjustable lifting platforms
- Pneumatic play detector with hand-lamp, cable or remote control
- Joint play detector and wheel-free lift at one level
- A silence, powerful control unit is integrated in canister foundation between the runways (optional: external control unit)
- The lift is intended for in-ground installation (1) – optional with accessible working platform for canister foundation.
- In runways integrated vertical roll-off protector
- Optional: floor compensation for axle jack

Official testing organizations require high performance reliable lifts with fast lifting and lowering that optimizes the productivity of the test center. UNI LIFT 4000 Quattro NT and the 5000 Quattro NT, with their four NT hydraulic cylinders are the specialists for smooth, fast and reliable operations.

The UNI LIFT QUATTRO QUICKTEST has an adjustable wheel-free lift (3) that enables lifting of the vehicle at the sillboard for a complete visual testing of the axis and around the wheel. The wheel-free lift is arranged so that the vehicles can be lifted after the test with the joint play detector without moving the car. The front axis is still on the play detector (2) and the car can be raised at the sillboard directly from this position. Thanks to the flat plates behind the wheel-free lift, the runways stay at one level for an accurate test.

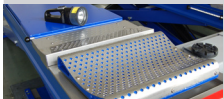
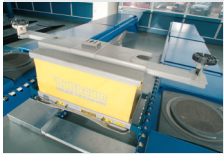
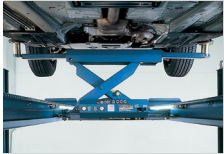
Additionally, the lift has a “Laser Jack”, which is installed between the runways with an integrated roller for the compressed air hose. In order to lift the vehicle at the outer points of the axis, the “Laser Jack” has 2 extendible arms, which can be fitted with several optional pick-up adaptors.



# The perfect accessory for every application

	3500 NT	4000 Quattro NT Plus	4000	5000 NT	5000 NT Quattro Quicktest	5500 CLT Quattro	6000	8000
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## Accessory

Additional drive through ramps   Set = 2 ramps	•			•				
Extension of drive-on ramps   Total length: 1,500mm	•			•				
Vertical adjustable roll off protectors for in-ground installation   Set = 4 units	•							
High speed hydraulic unit   lifting time approx. 14 sec	•							
 <p>Pneumatic joint play detector integrated into the runways</p> <ul style="list-style-type: none"> <li>• Push button control integrated in the handlight.</li> <li>• Fixed connection between both runways.</li> </ul>	• *	•						
 <p>LASER JACK – pneumatic</p> <ul style="list-style-type: none"> <li>• can be moved along the runways with mechanical safety ratchets and long extendable lifting arms up to 1.600mm</li> <li>• Lifting capacity 2,000 kg   Lifting height 400mm</li> </ul>	•			•	•			
 <p>JACK 2000 – air hydraulic</p> <ul style="list-style-type: none"> <li>• can be moved along the runways with mechanical safety ratchets and extendable lifting arm</li> <li>• Pick-up either at the outer points of the axis without relief of the suspension or in the mid of the axis</li> <li>• Lifting capacity 2,000 kg   Lifting height 400mm</li> </ul>	•			•			•	
JACK 2500 • air hydraulic with a lifting capacity from 2,500 kg				•		•	•	•
JACK 5000 • air hydraulic with a lifting capacity from 5,000 kg							•	•
Rear park position for axle jack for in-ground installation in strip foundation	•	•						
Aluminum crossbar with transversally adjustable pick up pads for lifting of offroad cars and vans. Total height approx. 260 mm	• **			•				
Air supply integrated in the runways for the "Axle Jack 2000" with hose roll under the runways	•	•		•				

## Wheel Alignment

<p>Wheel alignment set including:</p> <ul style="list-style-type: none"> <li>• Rear slip plates with flat plates and adjustable recess for the turn tables</li> <li>• Thanks to the flat plates the runways are at one level</li> </ul>	•			•				
Adjustable lock-system for wheel alignment, compressed air needed at the control unit	•			•				
Mechanical turntables for max. weight of tire 1,2t   400 x 400 x 50mm   Set = 2 units	•							
Flat plates – for wheel-free lift without wheel alignment – thus flat runways	•			•				
Cover for recesses of turntables for UNI LIFT Version AMS	•			•				
Holder for measuring station-control-system (MKS-holder)			•					
Integrated wheel alignment cabling (Rectangular C146 connectors) after DaimlerChrysler allegation			•					

## Installation

We provide extensions for hydraulic lines between the scissors and the control unit as well as the corresponding galvanized cover plates. This makes the planning of the workshop even more flexible.	•	•	•	•	•	•	•	•
We offer a range of lost installation cassettes for in-ground installation.	•	•	•	•	•	•	•	•

\* Not for version AMS and Plus AMS | \*\* for version Plus

## Technical Data & Corrosion Prevention

UNI LIFT	3500 NT	4000 Quattro NT Plus	4000	5000 NT	5000 NT Quattro Quicktest Plus	5500 CLT Quattro	6000	8000
Capacity (kg) Version: PLUS   PLUS AMS	4000 3500	4000 3500	4000	5000 5000	5000	5500	6000	8000
Capacity Wheel-Free lift (kg) *	3500	3500	—	3500	3500	3500	—	—
Lifting time approx. (sec.)	35 / 29	26 / 26	25 / 30	31 / 19	27 / 19	40 / 45	40 / 40	40 / 40
Lifting height (mm)	1920	2090	1940	1920	2090	2100	1927	1927
Lifting height WFL (kg) Version: PLUS Version: PLUS AMS	580 530	500 —	—	580	532 —	400 —	—	—
Runway width (mm)	635	610	620	635	610	620	788	788
Runway length (mm)	4500 4700	4500	4200 4400 4700	5000	5000	5200	5500	5500
WFL length (mm)	1485–1945	1471–2147	—	1485–1945	1459–1937	1450–1900	—	—
Drive-in height (mm) Drive-in height Wheel-Free lift (mm) Drive-in height AMS (mm)	195 +50 +18	x	— — 220	195 +50 +18	x	225 — —	215 — —	215 — —
Total length (mm)	6155 6355	x	5775 5975 6275	6655	x	6910	7160	7160
Total width (mm)	2120	2120	2290	2170	2080	2060	2340	2340
Motor (kW)	3,0	2x3,0	3,0	3,0	2x3,0	3,0	3,0	3,0
E-Supply (V/Hz)	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400/50	400/50	400/50

\* for Version: PLUS | PLUS AMS

x for inground installation

Workshops must endure a lot, starting from the ground and up to the machines and further equipment. We offer several possibilities for the treatment of the surface of our lifts. In this way we ensure even a longer life of our products even in the hardest conditions.

Coating Prevention	Rating	Additional protection to powder coating				Article-number
Powder coating	***				AMS	00
Powder coating + 3M™ foil	****				AMS	01
Powder coating + INOX Design	****				AMS	02
Fire galvanized	*****					03
Fire galvanized + 3M™ foil	*****					04
Oxygen coating	*****				AMS	05
Oxygen coating + 3M™ foil	*****				AMS	06
Fire galvanized + powder coating + 3M™ foil	*****					07

AMS = suitable for wheel alignment lifts

**!** For more information about this subject, read our brochure „Corrosion Prevention“

